

SIXTY-THIRD ANNUAL REPORT

*of the* BOARD OF TRUSTEES *of the*

OHIO STATE UNIVERSITY

TO THE GOVERNOR OF OHIO

FOR THE YEAR ENDING

JUNE 30, 1933

MCMXXXIII

THE OHIO STATE UNIVERSITY  
COLUMBUS, OHIO

THE OHIO STATE UNIVERSITY

HONORABLE GEORGE WHITE,  
*Governor of Ohio,*  
*Columbus, Ohio.*

MY DEAR SIR:

I have the honor to present to you the annual report of the Board of Trustees of the Ohio State University for the year ending June 30, 1933, as required by law.

Yours very truly,

HERBERT S. ATKINSON,  
*Chairman Board of Trustees.*

# ANNUAL REPORT OF THE PRESIDENT

WILLIAM L. B. SPENCER

President of the University of Illinois

1932-33

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## ANNUAL REPORT OF THE PRESIDENT

HONORABLE H. S. ATKINSON  
*Chairman of the Board of Trustees*  
*The Ohio State University*

DEAR SIR:

I have the honor to present through you to the Board of Trustees of The Ohio State University for transmission to the Governor of Ohio, as required by law, the Sixty-third Annual Report of The Ohio State University for the year ending June 30, 1933.

### DEATHS DURING THE YEAR

The year was marked by a very large number of deaths of members of the faculty and other employees of the institution.

William E. Keyser, an instructor in the College of Pharmacy.

M. S. Harvey, who came to Columbus from Perry County about 1900 to live closer to the members of his family who had previously been graduated from the University. He accepted modest employment in the University merely to occupy his time and remained in that service practically to the end. He was a man of staunch character, high morality, and of outstanding citizenship; his was typical of that very large number of Ohio families living under rural conditions whose sons and daughters, through the efforts and the privations of those at home, came to the University and received here their higher educational preparation for effective and enthusiastic participation in the life of the Commonwealth.

Miss Loa E. Bailey, a librarian in the College of Education, who had for some years been carrying on the work in that responsible position in a most commendable way.

Professor Lewis F. Anderson, chairman of the department of History of Education, in the College of Education. Professor Anderson was the author of a number of books; he possessed unusual scholarly attainment, and had the highest kind of ideals of University functions and activities.

Professor Clarence E. Andrews of the department of English was a well known author of novels and essays and was particularly interested as a teacher in the field of graduate work.

Miss Evelyn Brewster for several years was the very capable assistant to the Dean of the College of Education, and managed the routine of the numerous contacts of that office with great skill.

Miss Olive B. Jones was for many years the University Librarian. Under her supervision the Library was established and organized in Orton Hall after its removal from the Old Main Building. The quarters in Orton Hall were commodious in the beginning and the Library was comfortably established there, but after several years the quarters were sadly outgrown by the Library needs, and Miss Jones was the moving character in the effort to obtain from the Legislature appropriation for a Library adequate to the University's needs and a building which would be ornamental as well as useful. Her dream was

realized in 1911 when the University obtained the beautiful stone library building at the west end of the oval, and the entire library was moved from Orton Hall in 1913. Miss Jones was very happy in the new Library and further developed an organization and procedure which would meet the large and constantly growing needs of the institution. She presided over this Library until 1927, when because of growing physical disability she withdrew from the Library work and became the Professor of Bibliography. In that capacity she continued with great devotion to serve the University until the time of her death.

Egbert H. Mack, a trustee of the University, was a graduate of the Class of 1903, and after his graduation was associated with his father in the newspaper business in Sandusky, Ohio. His father was for many years a trustee of the University, and the interest of the family in the University was perpetuated when Egbert was appointed to the Board of Trustees in 1922; he served in that capacity until the time of his death. His interest in its development was great, and was prompted by sympathetic intelligence and devotion.

Miss Wilhelmina Werdelman was a supervisor of nurses in the University Hospital and served ably in that capacity.

Mrs. Lydia Clark Benedict was a professor of Physical Education and was in charge of the Women's Division of that University activity. She had great capability, was widely known in this field of work, and made a considerable contribution to the thinking, and planning, and the organization of the program of the Department.

Professor Joseph R. Taylor was a member of the department of English for many years. His connection with the University as student and as instructor and professor extended through almost the entire life of the institution. His first University teaching was done in free-hand drawing, from which he turned to the teaching of English and spent a very active and fruitful life as a professor in that field. His ability as a productive scholar is shown by his poetry, essays, books, and lectures. He left much unpublished writing which it is hoped will find its way into book form at an early date. He continued his interest in the Fine Arts and recently two notable exhibitions were made in the Faculty Club Room; one of his artistic work of the early nineties and a second of a very recent date, presenting the development of his Art over a period of forty years.

Dr. Alvin Broerman was an associate professor of Veterinary Medicine, and also a staff member of the Ohio Serum Institute at Reynoldsburg. He brought to the students of the College of Veterinary Medicine the outlook of the skilled research worker as well as the field worker and maintained this dual relationship in the service of the State until the time of his death.

Miss Gertrude L. Robinson was an instructor in the department of English, and was particularly devoted to the study and the practice of drama. She was an enthusiastic and capable teacher and was in active service up to the time of her death.

Among the alumni there are certain names which should find record here. Among the alumni who died during the year are Curtis B. Howard, who was a member of the staff of Starling-Loving Medical College, later the Starling-Ohio Medical College, and its successor the Medical College of The Ohio State University. He maintained his keen interest in the University up to the end, and, since his residence was in Columbus, was a frequent visitor to the campus.



Dr. James M. Rector was a graduate of the Ohio Medical College in 1903 and practiced in Columbus from that time forward. He was one of the well-known and aggressive physicians of the community, and was always keenly interested in the progress of the University.

Arthur I. Vorys, attorney at law, was a student of the University in its first decade and after leaving the University he studied law and entered the practice. For many years he was located in Columbus and was at the head of the well known law firm of Vorys, Sater, Seymour, and Pease. He had held positions in the State government and was distinguished for a very high type of citizenship.

James C. Lawrence, a graduate of 1910, had made a distinguished success in business, but then concluded to follow an early inclination and went into academic life as assistant to the president of the University of Minnesota. Here he turned off work and shouldered responsibility in a remarkable way and was made the Dean of the Faculty. At the time of his death he was fast making a name and a place for himself in University administration.

Irwin G. Priest, Class of 1907, after graduation from the University was appointed to the Scientific Staff of the Bureau of Standards at Washington. At the time of his death he was chief of the colorimetric work of the Bureau. His work at the Bureau brought him recognition as a leader in America in the science of color and its application.

John Brown, usually called "Governor," was for long years a very familiar character in Page Hall. He was born a slave near Charlottesville, Virginia, and was the body servant of a student in the University there until 1869; then he went to Washington, appearing there at the time of the inauguration of Grant; at once he went into hotel service at the famous Ebbitt House, and remained there for some years. Former Governor Foster of Ohio, who was one of the members of President Hayes' cabinet, took a liking to John and brought him to Ohio in his service. It is from that relationship that he took the name "Governor" and I mention him at some length here because to the students in the College of Law for long years he was a friend, adviser, and a kind of sage, with a marvelous memory and stories of many national characters with whom he had come into contact in Washington. He was one of that faithful type of public servants, now almost disappeared, who were released from slavery by the shock of the Civil War and in fortuitous ways reached the north and there contributed a life of devoted service.

A number of these persons will be recognized as members of the senior staff of the University, among them Professor Anderson, Professor Andrews, Miss Jones, Mrs. Benedict, and Professor Taylor, and inasmuch as two of them witnessed fifty of the entire sixty years of the University's life, we get here a keen realization of the youth and growth of the University and the intimate relation which some of the earliest graduates maintained with it through their lifetime.

#### STUDY OF THE UNIVERSITY

On account of the financial stringency which deeply affected all the activities of the State of Ohio, and which The Ohio State University with other educational institutions felt keenly, considerable sentiment developed in the University in the Summer of 1932 for a complete study of the University's activities, courses, and program. This was rendered desirable because of the approaching session of the legislature before which the University would



appear asking for appropriations, and because of the anticipated difficulties in making the budget in the Spring of 1933 for the following college year. And although the University departments and colleges annually search their activities with some degree of completeness, yet it was felt that a study by some group detached from the departmental and college organization might present a better view of what the University was actually doing and where it was actually going in its activities. Inevitably also a legislature is keenly interested in knowing whether the courses and activities of a University based upon public support are reasonable in number and well ordered and free from duplication of effort and expense, and a current study of the University's activities would enable us to bring to the legislature fresh information and fresh conclusions about the institution. A period of retrenchment was seen to be ahead of us for some years; and such retrenchment, it was felt, must be made with the highest intelligence and the broadest information possible. Accordingly, the University Faculty, after discussion, resolved that a committee should be appointed to undertake this proposed study. A committee was constituted of Dr. Arthur J. Klein, chairman, and Professor Carl Wittke and Professor Alpheus W. Smith.

The committee held numerous conferences with Deans, Department Chairmen, and individual professors, and practically every phase of the activities of the University came under scrutiny. The committee's recommendations were incorporated in three partial reports, issued between January and June. Many of the recommendations dealt with particular courses, suggesting that certain courses be withdrawn, consolidated, given in alternate years or given with less frequency. Other recommendations of a major character dealt with the consolidation, abolition, or transfer of departments of instruction. Some of these have been carried into effect, while others are being studied and will be presented to the Board of Trustees for final disposition during the coming year.

One of the recommendations of this committee provided for an annual review of courses with small registrations. It was suggested that minimum registration be required for all elementary and advanced courses, and in the event a particular course failed to attract at least this minimum, it should be given special consideration by the Council on Instruction, which is a committee consisting of nine members of the University Faculty and the Assistant to the President. The Council on Instruction, under these rules, is given rather wide authority to discontinue courses with small registrations. As an alternative, the Council may authorize a particular course to be given in alternate years. In exceptional cases the Council may reinstate a particular course for annual offering if the circumstances justify. This recommendation was approved by the Board of Trustees at a meeting held on March 13, 1933.

During the months of April, May, and June the Council conducted many hearings attempting to appraise each course not meeting the requirements of the rules. In some cases it was found that certain courses could not be given in large groups due to the limited equipment facilities. Other courses in which students work on individual problems and which are conducted by the conference method, could be administered only in small groups. Still other courses with comparatively small numbers were recognized as essential in the program of the University and were reinstated. It is believed that all pertinent facts concerning each particular course were given due consideration, and



that the actions taken by the Council on Instruction probably reflect the best faculty judgment in regard to the elimination of courses.

The combined efforts of the University Committee on Courses, Activities and Program and the Council on Instruction resulted in a substantial reduction of the academic program as indicated in the following data:

Courses withdrawn.....	337
Courses to be given in alternate years.....	69
Courses consolidated.....	33
Courses reduced in frequency.....	30

Naturally, some of the reductions were regarded as very drastic, and in some cases, Department Chairmen acquiesced with considerable reluctance. The composite judgment of the Faculty seemed to be, however, that such reductions were imperative in order to preserve the most fundamental and essential activities which the University must carry on if it is to continue to be of greatest service to the State. Moreover, the Faculty is assured, under these rules, of an opportunity to present revisions in the teaching program as new conditions develop.

The contributions which these two agencies of the University Faculty made in the preparation of the Annual Budget were most significant. Many of their recommendations, when carried into effect, will result in substantial budgetary savings.

However, the greatest contribution which they made was that of providing the machinery for making adjustments in the academic program of the University when necessitated by changes in our economic and social order. The rules contemplate an annual review of courses and it is believed that the Council on Instruction will go forward in its work with a high concept of the University's responsibility to the people of the State.

The legislative appropriation to the University is discussed in another section of this report. The reduction of our resources caused reductions in the program which exceeded greatly the limit fixed by the Faculty Committee on Courses, Programs, and Activities. Violent reductions in personnel were necessary, and an annual operating budget was prepared contemplating heavy teaching loads, larger classes, reduced administrative staff, and a curtailment of research programs. In addition, a third reduction in salary rates is inescapable.

At this point, the cost to the student of this reduction in terms of educational service cannot be accurately measured, but special study will be given to these effects during the next year. Every effort is being made by the Faculty to preserve the personal contact with students and, accordingly, emergency teaching assignments have been cheerfully accepted in order to prevent a complete return to a condition of "mass education," which in recent years we have been desperately endeavoring to correct.

The spirit of the Faculty is deserving of high commendation. They have adapted themselves ungrudgingly to the present situation with an abiding faith in the people of the State of Ohio and with a loyalty to the principles upon which this University was founded.

Many of the proposals of this committee could not be acted upon during the year, but are to be taken up in the next college year and given careful attention. Many of the recommendations of the committee calling for trustee action were brought to the Board of Trustees for their consideration and the Board gave them cordial approval. It is the feeling throughout the University that much progress has been made in this way toward an intelligent retrench-



ment which was imperative, and that the action of the committee had brought forward essential information and recommendations upon which the University could make thoroughly constructive changes. Although in particular respects there may have been a lack of approval in faculty circles of recommendations of the committee, yet on the whole the feeling was that such study should be made by a *committee* of the *Faculty* rather than by some group outside of the University, and there was a very general satisfaction with the study which this committee made. It was sincere, it was energetic, it had the University viewpoint, and it was very capable. It was a most significant movement initiated and sponsored by the University Faculty itself. It stimulated a more searching self examination by departments and indicated procedures by which progress in University economy might be made.

#### THE UNIVERSITY LABORATORY SCHOOLS

With the completion of the high school building on the campus last Summer, the launching of the high school itself had to be undertaken. A director had been obtained a year in advance, and during that period he worked out courses, and curricula, and the departments into which the school should be organized, and he found and gathered together a notable teaching faculty, and the school opened in the Autumn of 1932. The new Director, Dr. Rudolph D. Lindquist, came from the presidency of the Chico State Teachers College in California.

For several years preceding there had been an elementary school carried on by the University under the auspices of the College of Education. This school had made much progress, and was warmly appreciated by the people in the community whose children were under its care. The high school and the elementary school were now united into the University Schools under the directorship of Dr. Lindquist, and located in the new building.

These schools form a laboratory for the training of teachers in the College of Education and are therefore an integral part of that College. Students training for the teaching profession need to have some opportunity for practice teaching, a wide opportunity for observation of the teaching of others in the primary and secondary schools, and some opportunity for an intimate understanding of the organization of such schools, the building of their courses and curricula, their general management, and in particular their method of dealing with subject matter and with children. It is a high class laboratory which is expected to make a large contribution to teacher training.

With such laboratory schools on the campus and under the control of the University, it is quite certain that they will give large opportunity for observation and practice in the teacher training; they will also offer opportunities for the professors in the College of Education to exemplify their theories about proper teacher training; moreover they will furnish a high quality of teaching and a conception of the analysis and organization of the subject matter for primary and secondary school pupils, not only for the University community but for the observation and advantage also of the public school teachers and administrators of the State. These schools have been visited by large numbers of public-school teachers, principals, and superintendents, and to the extent that the University can furnish a stimulating and forward looking program in these schools, they will constitute an exhibit of what ought to be going on in the public schools of the State. And as we succeed in making improvements in school procedures, we shall gladly share them with our good friends in the



public-school system; we desire to be of material and stimulating service in the advancement of public education.

But the capacity of the University Schools for practice teaching is entirely unequal to our requirements, and the major part of such training is still provided in the Columbus Public Schools. For years they have been entirely cordial and helpful to us in this matter. The superintendent and his staff and the Board of Education have uniformly observed a friendly and helpful attitude, and I here record the deep gratification of the University for this invaluable privilege.

The past year has been one of organization, of adjustment of teachers and pupils to a new plant, of testing of equipment, of generally orienting the enterprise in the public school system and in the life of the University—a kind of settling into position for the virile and sustained effort needed to forward this most significant undertaking. This has been well accomplished, and the University Schools today are a vigorous and buoyant going concern.

One of the most important of the purposes ahead is the proper integration with the Departments of the College of Education so that the schools may make their maximum contribution to the teacher training program. This is engaging the best thinking of the College and the coming year will see the plans crystallizing and much progress being effected.

The important question of the relation of the Schools to the Departments of the University which receive the secondary-school product will also receive constructive and mutually helpful attention.

#### SCHOLARSHIPS SUPPORTED BY INDUSTRY

One of the major functions of a State University is research, and utmost encouragement is given to such investigational study in all the departments of the University. To a limited extent the University funds support research projects but this source is inadequate to foster the research activities which should always be in progress. A large contribution is made from time to time by industry. Industrial or business firms desiring particular information about their business, or products, or production methods, or materials, request the University through the appropriate department to answer certain questions pertinent to their business and present a grant of money to carry the expenses of such investigation. A scholarship for this purpose is thereupon created, a scholar is elected by the department, equipment and accessories are obtained and the scholar proceeds in a scientific manner to obtain the answers to the questions propounded by the industrial or business firm. A professor in the department carries on the supervision of the study; and the scholar, who is ordinarily a graduate student, with such assistants as he may need, pursues this subject for such time as is required to present the solution. Sometimes this occupies a part of a year, sometimes an entire year, and sometimes longer. Carefully prepared analyses of the investigation with conclusions, approved by the department, on the completion of the study, are placed in the hands of the cooperator. This type of research work goes on in many departments and the relation with industry and business on the outside in all these cases has been most cordial. Industry and business are encouraged to present their problems to the University and the beneficial effects of such arrangement are readily seen to be mutual. Even in these times of depression a number of such scholarships are in effect and the subjects presented for study cover an extremely wide area and have been engaging the attention of Agriculture, Engi-



neering, Veterinary Medicine, Education, Commerce, Law, and some of the Departments of the Physical Sciences.

#### EDUCATION BY MOTION PICTURES AND RADIO BUREAU OF EDUCATIONAL RESEARCH

The College of Education for several years has been conducting vital studies in the great new field of motion pictures, with particular reference to their effect upon children, their educational values, proper methods of appraisal, and in general, attempting to ascertain their educational, social, and moral effects upon the people. Likewise, the College of Education has carried on an extensive study in the field of radio broadcasting with the emphasis on educational broadcasting. It is of very great importance now to know what a University may do in the way of extending education to the people of the state by means of radio, and much experimenting and much investigating are going on in this direction. For several years, there has been held on the campus, under the auspices of the College of Education, a radio school to which come radio managers, broadcasters, and research students, from all parts of the United States, to engage in a week of intensive discussion of what has developed in the past year, what experiments have been found successful, to what extent radio may be relied upon as an educational agency, and the extent of the development of interest in such type of education. Members of the Federal Radio Commission manifest their interest in this School by appearing on the program and mingling with the people who are carrying on the great experiments in educational broadcasting from all parts of the country. The College of Education, through its Bureau of Educational Research, is keenly alive to the possibilities in these two great areas of scientific development, and its staff is industriously endeavoring to mould these powerful educational agencies into a rationalized educational program; much enthusiasm as well as uncertainty marks these studies.

#### EMERGENCY SCHOOL FOR UNEMPLOYED

A committee appointed by the President to consider the need for such school and the ways and means of bringing it into operation presented its reasons and conclusions in the following language:

##### *Reasons for the Program:*

The unemployment crisis in the United States has reached its third stage. In the first stage the national government took the position that unemployment relief should be provided not by the government but by private charity. For many months this point of view controlled our relief programs. When it failed and the local and national governments began to furnish unemployment relief, we entered upon the second stage. The recognition of the need of providing the unemployed with more than food and shelter constitutes the third stage. In the United States we have followed the same experience as Great Britain. That country early during its now twelve years of unemployment recognized the need of helping the unemployed not only to the necessities of life, but also to vocational, intellectual, and emotional adjustment.

The need of vocational adjustment for the unemployed must engage the attention of everyone who has given the situation even a cursory survey. Most individuals, however, are out of employment because of the depressed economic situation which is only indirectly associated with technological unemployment. These thousands of individuals have abundant leisure and many of them have ambitions to improve their economic and intellectual status. They are not able, however, to enroll in our existing educational institutions, first, because they have not the financial means for education, and second, because our educational

institutions are not organized to take care of them. Until, as a society, we make provision for these large numbers of unemployed who have educational needs, we shall be overlooking an opportunity for the building of important social and intellectual capital. The present crisis presents an occasion of which we cannot and must not be unheedful.

#### *The Proposed Program:*

The committee appointed by the President to review the situation makes the following initial proposals:

1. That the University invite for conference all the relief and educational agencies of Columbus to participate in an educational program for the unemployed of Columbus.
2. That the University appoint an executive officer for the directing of the program, such officer to be relieved of all other responsibilities.
3. That through the Columbus newspapers the executive officer discover what courses the unemployed desire.
4. That responsibility for some of these courses be assumed by the University and that responsibility for other courses be assumed by other educational agencies in the city.
5. That the allocation of courses be determined by the ability of the educational agencies involved to handle various types of work, *i.e.*, high school courses by the University, and so forth.
6. That during the Spring Quarter we set up experimental courses, for our guidance in developing a more comprehensive program for the summer and fall.
7. That administrative problems such as fees, length of courses, etc., be discussed as the program develops.
8. That this tentative program be approved by the Administrative Council and the Committee instructed to proceed accordingly.

Respectfully submitted,

THOMAS L. KIBLER, *Chairman*  
W. H. COWLEY, *Secretary*  
HAROLD W. BIBBER  
FREDERICK E. LUMLEY  
ALPHEUS W. SMITH

The School was accordingly organized with Mr. Edwin S. Burdell, of the department of Sociology, as Director. The work was enthusiastically carried through the Spring Quarter and was continued on a modified basis for the following Summer Quarter.

Some excerpts from the report of the general committee at the conclusion of the School will be very significant:

In concluding our work, we not only want to express our individual and collective pleasure at having been members of a committee which seems to have been of service to the University and to the community, but we should also like to express our conviction that the University, in establishing the Ohio State University Emergency School, has completed a notable and valuable experiment in University public relations and adult education. Because the University imaginatively projected its intelligence and energy into the unemployment situation of the State of Ohio at a crucial time, we have, it seems to us, established ourselves in the minds of other universities over the country as a socially sensitive institution, capable of carrying its vision into effective administration.

The effectiveness of our program has been so generally recognized that the federal government is looking to our experience for guidance, and the state government has sought our director as the one individual in the State of Ohio who, by experience and natural predilection, is prepared to administer the state



program. This, in our judgment, all redounds to the credit of Ohio State University. For these achievements, this committee does not consider itself essentially responsible; rather it has been our opportunity and pleasure to serve upon a committee which came into being at a most strategic time and which, because of the logic of events, carried on to success.

This success, it should be emphasized, has been due in largest measure to the cooperation and enthusiasm of the faculty of the University. Despite depleted budgets and increased working loads, every administrative officer and faculty member whom we approached responded to our petitions for assistance with interest and even vigor. To these scores of faculty members we, as a committee, want to express our appreciation not only for ourselves, but for the University at large.

Respectfully submitted,

UNIVERSITY FACULTY COMMITTEE ON UNEMPLOYMENT EDUCATIONAL RELIEF,

THOMAS L. KIBLER, *Chairman*

W. H. COWLEY, *Secretary*

HAROLD W. BIBBER

FREDERICK E. LUMLEY

ALPHEUS W. SMITH

W. H. COWLEY for the Committee

A tabular study of the enrollment by courses and the educational and occupational experiences of students was made by the Director, which is an enlightening document of an exploratory character—an excursion into the lives of very substantial sections of our communities about which normally little is known! The work of Mr. Burdell and the many participating members of the University Faculty was applauded by the University community and the public at large.

Most inspiring in this adventure was the sensitive response to public exigencies of the University Faculty.

#### STATE OF THE UNIVERSITY

The University reached the zenith of its state support in the Legislature of 1929; at that time the total appropriation for the following biennium was just short of ten millions of dollars. In the preceding year a classification amendment to the constitution had been adopted and the Legislature of 1929 took up the preparation of a new tax system in which intangibles should have considerable place. Large changes were made in the methods and degrees of taxation of intangibles and other personal property and the new system was going into operation about the time of the beginning of the great slump in the latter part of 1929. As the result of this condition, the new tax system never had a fair chance to demonstrate its wisdom or its adequacy.

At this time also delinquent taxes in the counties had been mounting, and when the Legislature met in 1931 they had increased to an alarming extent and were a public menace. Industry by that time had declined tremendously, values had fallen out of realty, business was becoming discouraged, and a psychology of panic was beginning to possess the people. Under all the conditions the Legislature maintained its poise well and made reasonable provision for all the State's activities; but its appropriation for the University for the following biennium was almost exactly two millions of dollars less than for the preceding biennium. Conditions in business and industry, however, continued to grow worse and it was necessary for the legislature to meet several times during the biennium in special session to care for the public schools, and to care for the relief of destitute and unemployed persons. We came into a time when the very

bottom seemed to have dropped out of our economic structure. Unemployment increased, and the need for relief mounted inconceivably; industry almost vanished, and there was a resulting feeling of economic helplessness.

The Legislature of 1933 met under these conditions. There was a steady falling off of public revenues in the counties, alarming increase in delinquent taxes there, a shrinkage of values, evident inadequacies in the tax system in vogue, widespread unemployment and public relief, and not a break anywhere in the financial industrial gloom. Also by this time on account of the manifest difficulties of finding revenues for their support a serious question had begun to be asked in many quarters about the program of education carried forward in the public schools, and much criticism was voiced of the number of subjects offered, of the quality of much of the public-school procedure, and much doubt was expressed as to the desirability or the necessity of much of the work which was being done in these schools. Since public revenues were dwindling, and money for the support of public education on the accustomed scale was difficult, if not impossible, to find, it was inevitable that the schools should come in for destructive criticism. The public seemed to turn upon the schools savagely or to turn away from them impotently—as if in some mysterious way they should have prevented the crisis but did not!

The school people themselves admitted that the educational work should be carefully scrutinized and that subjects of lesser importance might temporarily pass into the background, although they contended that there were no subjects taught in the public schools which were not useful, and that, considering the various types of young people seeking an education, it was inevitable that the public-school program must be wide and varied. Nobody doubted that there was a deep financial depression and all the public agencies studied their budgets carefully and succeeded in making very material reductions in the cost of operation. True, this was at the expense of their normal activities, but the best of spirit was exhibited, not only in all state activities but in the realm of public education. The public schools were put distinctly upon the defensive by the attacks made, and sincerely cooperated with local and state appropriating authorities in an attempt to reduce costs, and yet, as nearly as possible, to maintain efficiency.

At the same time the higher state-supported educational institutions were meeting exactly the same experience as the public schools. These institutions are normally looking through their offerings, their procedures, and their personnel, endeavoring to keep them all in reasonable limits for effective operation. In this period they undertook a searching scrutiny of their activities, went cheerfully along with the State in its efforts to live within its prospective income, and the Ohio State University undertook to carry on through the biennium, 1933-34, with a legislative appropriation just short of six millions of dollars. Always before the revenues of the University had been lifted by the Legislature to enable it to bestow its benefits more widely and richly upon the commonwealth. But now it was experiencing a decrease of operating revenue; in four years it declined four millions of dollars, and it was perfectly evident that the University could not carry forward the program of 1929, or the program of 1931, in the biennium beginning 1933. Salaries were reduced in 1931, and the expenditures were curtailed in many directions through that biennium; because of a prospective falling off of appropriated revenues, considerable reductions in University appropriations had to be made by executive order of the Governor. Not only did the University have less money to spend for per-



sonal service, but it also had less money for equipment and supplies and the many other demands which are made necessarily upon an educational institution which is a vitally going concern. Further salary reductions were made early in 1933, and in view of the greatly diminished legislative appropriation for the biennium further considerable salary reductions are conclusively indicated for the next year—1933-34.

Waning financial support made it imperative that the University must discriminate among its offerings, and must therefore attempt to appraise them by measuring their inherent quality and their necessity in an educational program. It must delete some of its activities, release personnel in the clerical and administrative as well as the educational staff, and shrink with as great intelligence as possible the entire University program within the available funds. Keen and cooperative thinking went on through the University staff to accomplish this end all through the last school year. The reduction will not be accomplished without material losses, and without rather serious omissions in its course structure, a hurtful shrinkage in its graduate area, a material diminution in its research activities, an overloading of the teacher with the volume of class work, laboratory supervision, conference with students, and reading and rating of student papers. If all these activities go on adequately then the staff will be considerably overloaded, and if they do not go on adequately the teaching performance of the University is considerably below a desirable standard. So under the financial restrictions we face a dilemma with reference to quantity and quality of the work.

In this situation, however, let it be reported emphatically—the best of morale prevails throughout the University, there is a cheerful purpose to make the most of a situation and to carry forward the essentials of University education in our ten colleges and the Graduate School with all the effectiveness which the staff can muster. Let it be registered, however, that on the scale of operation made necessary by financial limitations the University cannot adequately perform the service which has been and still is expected from it by the people of the State. So soon as there is some return to a prosperous condition the University should be a beneficiary of the improved ability of the State to make its many educational agencies perform their maximum purpose not only in the industrial and the material activities of the people, but also in the social, moral, cultural, and spiritual interests and activities.

Although the operating budget has not yet been approved, the following tabulation will show the great extent of the salary reductions which must be put into effect in the coming year. (See page 17.)

#### PUBLICATIONS OF THE TEACHING STAFF

An effort has been made to assemble the publications of the teaching staff during the last year and present them here with as great completeness as possible.

A professor aspires to do writing in his field of University study and teaching, and each year some books are published by the members of the Ohio State University Faculty. The year 1932-33 was no exception, and I write into the records at this point a number of such books. These are generally the fruition of intense thought, careful organization of material, and writing, extending over a period of several years, and are a source of much gratification to the writer's colleagues and to the University Faculty. Such evidence of



# SUMMARY OF 1933-1934 SALARY BUDGET REDUCTIONS

COLLEGE OR DIVISION	Budget 1932-1933	Releases in Personnel	Reductions to Part-time	Salary Reductions	Special Summer Contracts	Total Reductions	Budget 1933-1934
Agriculture .....	393,436.75	(35) 35,189.00	(11) 11,558.00	18,809.75	4,630.00	70,186.75	323,250.00
Arts and Sciences.....	678,400.67	(60) 65,993.67	(17) 17,220.00	41,274.00	9,143.00	133,630.67	544,770.00
Commerce and Administration.	293,530.00	(29) 18,663.00	( 9) 7,335.00	16,688.00	6,370.00	49,056.00	244,474.00
Dentistry .....	31,824.00	.....	.....	2,172.00	.....	2,172.00	29,652.00
Education .....	542,643.00	(33) 36,476.00	( 2) 436.00	31,432.00	41,993.00	110,337.00	432,306.00
Engineering .....	362,815.00	(25) 18,411.00	(20) 14,060.00	19,930.00	1,230.00	53,631.00	309,184.00
Law .....	62,280.00	.....	( 2) 6,528.00	4,320.00	.....	10,848.00	51,432.00
Medicine .....	327,325.22	( 7) 2,564.00	( 1) 888.00	17,188.00	627.22	21,267.22	306,058.00
Pharmacy .....	18,240.00	.....	.....	1,116.00	.....	1,116.00	17,124.00
Veterinary Medicine .....	52,125.00	( 5) 3,099.00	.....	3,647.00	.....	6,746.00	45,379.00
Graduate School .....	21,438.00	.....	.....	2,048.00	.....	2,048.00	19,390.00
President's Division* .....	169,711.00	(12) 12,510.00	( 4) 2,426.00	7,285.00	2,650.00	24,871.00	144,840.00
Administrative Division† .....	206,426.00	(11) 12,382.00	.....	10,264.00	.....	22,646.00	183,780.00
Physical Plant .....	350,112.00	(10) 16,587.00	( 3) 2,928.00	17,217.00	.....	36,732.00	313,380.00
	3,510,306.64	(227) 221,874.67	(69) 63,379.00	193,390.75	66,643.22	545,287.64	2,965,019.00

\* Includes: Library  
Mil. Science  
Phys. Educ.—Men  
Phys. Educ.—Women

† Includes: President's Office  
Business Office  
Registrar's Office  
Entrance Board  
Dean of Men

Dean of Women  
Stores & Receiving  
Hospital Stores  
Telephone Exchange  
Mailing Department

intellectual curiosity and professional ability mark the teacher not only as teacher, but as master of his subject.

No description of these books can be attempted here, but it is recognition completely deserved by the professors that they be listed at this point.

- The Modern Nursery* by Professor Alex Laurie and L. C. Chadwick  
*An Introduction to Phytochemical Research* by Professor R. C. Burrell  
*Government and Politics of Italy* by Professor Henry R. Spencer  
*The Theory of Matrices* (Mathematics) by Professor C. C. MacDuffee  
*On the Problem of Plateau* (Mathematics) by Professor Tibor Rado  
*An Extended Study of William Blake the English Poet* by Professor M. O. Percival  
*English Romantic Poets* by Professor E. L. Beck, in collaboration with James Stephens, the Irish novelist and poet, and Professor Royall Snow  
*The Craft of Exposition* by Professor R. S. Newdick, and Professor J. H. Wilson  
*Diplomatic Relations between the United States and Brazil* by Professor Lawrence F. Hill  
*George Washington und seine Zeit*—Bicentennial lectures delivered in many German cities and universities in 1932, by Professor Carl Wittke  
*The History of Ohio* by Professor Eugene Roseboom and Professor Francis P. Weisenburger  
*An Elementary Study of Chemistry*—Introductory College Course—revised edition by Professor William McPherson and Professor W. E. Henderson  
*Ruy Blas*—An Edition of Victor Hugo's famous Romantic Play, by Professor Olin S. Moore  
*A History of the French Language* by Professor A. H. Schutz  
*Elements of Physics* (Revised) by Professor Alpheus W. Smith  
*The Poetical Works of Rodolphus Tortarius* by Professor Marbury B. Ogle with co-author Dorothy M. Schallian  
*Roman and Greek Questions of Plutarch* by Professor John B. Titchener  
*Corporation Finance* by Professor Henry E. Hoagland  
*Business Law Condensed* by Professor M. E. Pike  
*Revision of Principles of Marketing* by Professor H. H. Maynard, Professor Walter C. Weidler, and Professor Theodore N. Beckman  
*Introduction to Business*—Revision—by Professor H. H. Maynard, Professor Walter C. Weidler, and Professor Karl D. Reyer (not on University staff)  
*The Propaganda Menace* by Professor Frederick E. Lumley  
*Duties of Ohio Public Health Commissioners* by Professor W. W. Charters and Professor Darwin A. Hindman  
*Personnel Bibliographical Index* by Professor W. H. Cowley  
*Cleveland Teachers' Salaries* by Professor Earl W. Anderson, Professor Thomas C. Holy, and others  
*Financial Status of Ohio City and Exempted Village School Districts* by Professor Thomas C. Holy  
*Service Studies in Higher Education* by Professor Ralph W. Tyler  
*How to Appreciate Motion Pictures* by Professor Edgar Dale  
*Modern Business English* by Professor William H. Stone (and others not on University staff)  
*Educational Frontier* by Professor Boyd H. Bode, Professor H. Gordon Hullfish (and others not on University staff)  
*On Teaching English* by Professor Howard F. Seely  
*Contes Francais du Merveilleux Scientifique* by Professor James B. Tharp  
*Les Americains Chez Soi* by Professor James B. Tharp  
*Psychology of Advertising* by Professor Harold E. Burt



*General Psychology* by Professor F. C. Dockeray  
*Psychology and the New Education* by Professor Sidney L. Pressey  
*Children's Sleep* by Professor Samuel Renshaw  
*Readings in Experimental Psychology* by Professor W. H. Valentine  
*Psychology Laboratory Manual* by Professor W. H. Valentine  
*Human Motives* by Professor Herbert A. Toops  
*Computational Statistics* by Professor Herbert A. Toops  
*History of Modern Psychology* by Professor R. D. Williams  
*Elementary Psychology* by Professor R. D. Williams  
*Ten Famous American Educators* by Professor J. L. Clifton  
*Taxation—Its Purposes and Methods* by Professor H. H. Davis  
*Stresses and Structures* by Professor Clyde T. Morris  
*An Introduction to Architectural Drawing* by Professor Wooster B. Field  
*Ohio Topographic Survey—Final Report, Vol. IV* by Professor C. E. Sherman  
*The American Bar and Its Ethics* by Herschel W. Arant, Dean of the College of Law

*Appellate Courts and Appellate Procedure in Ohio* by Professor Silas A. Harris

This is thought to be a complete list of books written by professors in the University and issuing from the press, or in process of issuing therefrom, during the last school year. It is well known, however, that many of the writing activities of the professor do not reach book form; they appear in periodical publications or in the form of papers read before professional or technical or other types of meetings. Or, they may be addresses at association gatherings, or particularly they may be the publications of research projects either completed or advanced to the point where some report might be made of the progress. These latter writings are very numerous and are widely scattered through the University, and I can take the space here only to mention some of the departments of the University which have shown most stimulating and commendable activity in the prosecution of important research work.

Many such publications have come out of the department of Geology, the results of the work of almost all the members of the staff, covering numerous fields, important in advancing this science.

The department of Mathematics reports a large number of papers read before professional gatherings, contributions to various mathematical periodicals, studies of various other kinds, and book reviews, all tending to show the high degree of intellectual activity and keen interest in the field of work.

The members of the staff of the department of English have been very active during the year in the study of various literary subjects, in reviews, and contributions to periodicals, and particular studies made in reference to the teaching of English.

Some members of the staff of the department of History also made important contributions in a monograph or other brief form.

In chemistry the list is very long and shows a very active research spirit prevailing in that department. These writings cover research projects which spread themselves pretty generally over the field of chemistry; they deal also with the matter of chemistry education; there are many book reviews, there are many papers presented at the American Chemical Society, and before the American Association for the Advancement of Science, the Ohio Academy of Science, the American Society of Chemical Engineers, and other associations.

The members of the staff of the department of Romance Languages have made contributions in various phases of this departmental activity, such as articles, lectures, book reviews, books in preparation, some historical studies of



interest to French students of American History, and some creative writing in the field of French literature.

In the department of Physics staff members have produced reports on research projects, have published studies on various phases of physics and have presented papers at scientific gatherings.

The members of the department of Classical Languages have prepared and published reviews and articles dealing with particular subjects and have read papers before linguistic societies and language associations and have contributed a number of monographs dealing with one or another phase of language derivation or composition. Professor George M. Bolling of this department is also the editor of all publications of the Linguistic Society of America. Professor Marbury B. Ogle has been on leave for two years in charge of the American Classical School in Rome. In this capacity he has had unusual opportunity of continuing his studies into old Roman life and will return to the University next year to bring back to us the benefits of his unusual experience.

In the College of Education the staff has been very active in writing about the results of research or in contributing monographs, or criticisms, or reviews, to various periodical publications, or in the writing of books.

Much writing goes on also in the College of Law where some of the professors are making contributions to the publication called "Ohio Jurisprudence," others have prepared articles for Law Reviews, or have contributed book reviews, and are sharing in the discussions going forward with reference both to the substantive law and the law of procedure.

In the College of Medicine papers have been presented at professional meetings, and addresses made before medical societies, by various members of the staff. Many research studies are going forward in this College; the departments of Physiology and Anatomy have contributed important papers, and the departments of Pathology and Physiological Chemistry have been very active in the field of productive research. The staff of the department of Medical and Surgical Research has been enlarged. Dr. George M. Curtis came to the department this year from the University of Chicago, and the progress made during the year has led into many fields of great interest to the medical profession, and has been very gratifying and of great professional significance. The accomplishments of the Dispensary, the Hospitals, and the Clinics are notable, and will receive particular statement along with those of the University in general in next year's report.

There is much cooperation among departments in research work, and this is very stimulating. Research is a tonic, and may not only produce new knowledge of value but inevitably makes of the professor a more effective and enthusiastic member of the teaching staff.

It would be very pleasing to remember each staff member with particular mention, but very happily the list is too long for publication in an Annual Report.

#### ENLARGED POWER PLANT

The University Power Plant has at last come to completion. For years it has operated on a single unit without adequate reserve or emergency facilities. The Legislature of 1927 provided for a second large stack and all the equipment complementary thereto, and the last steps in the installation were carried out early in this year. Rather formal dedication services were held at which all administrative agencies of the University were represented. Miss Edith D. Cockins, whose services in developing the Registrar's Office and duties have



been a notable feature of University history, was invited to "christen" the huge new boiler. She broke over its "prow" a bottle of Mirror Lake water, pronounced the magic words used in classic dedicatory ceremonies, and "dubbed" it "McCracken" in due honor of the veteran Engineer and Superintendent of University Grounds and Buildings—who carries in his mind today an exact map of the entire heating and lighting network of the University plant both above ground and below and the room plan of every one of its buildings—proficiency in the highest degree!

Unless the plant is required by its educational growth to make very great expansion hereafter, no further addition to its heating and lighting capacity will be called for. Meanwhile normal operation and provision against the exigencies of any expectable emergency are assured.

#### THE ARMORY

The Old Armory, which former students will recall as the Gymnasium, also, has been returned to the Military Department. Physical Education and Military Training together were too much for the building and the latter had to go out until Physical Education could be provided with a new home. Certain adjustments and alterations are continually going forward to adapt the Armory more adequately to the military needs. Although not ideal in its facilities nor its arrangements—since it was built in 1897 in a "mediaeval" castle pattern—it nevertheless is the best place the University possesses for this large activity and permits the work to be concentrated.

#### KINSMAN LABORATORY

Kinsman Laboratory Building is the gift of Mr. Charles F. Kettering and in the beginning was dedicated to the research work carried on by certain members of the College of Homeopathic Medicine. With the passing of that College various departments of the College of Medicine carried on research there for some years, as well as in Hamilton Hall, where all department headquarters were located.

When the Department of Medical and Surgical Research was created it was housed temporarily and inadequately in Hamilton Hall. The result was that most of the research activities of the College of Medicine were insufficiently cared for.

Finally this year funds became available for cleaning, altering, and refitting Kinsman Laboratory as a permanent home of the research in medicine and surgery; other research work of the College has been concentrated in Hamilton Hall. In the new quarters medical and surgical research is making a notable advance. Constant effort is being made to widen the facilities in Hamilton Hall for the prosecution of most significant research by the medical departments of Physiology, Physiological Chemistry, Anatomy, and Pathology; the needs for expansion all along the line in Medicine impart loud emphasis to the demand for a wing on the hospital to house a dispensary, an isolation division, and other services, which will improve these particular activities and also release additional facilities for research, museum and library accommodations in Hamilton Hall.

The following table presenting a "Summary of Income and Expenditures" for the last four years clearly exhibits the decline in University support.

*George W. Riddinger*  
President.

# SUMMARY OF INCOME AND EXPENDITURES OHIO STATE UNIVERSITY

1929-1930 through 1932-1933

## SHOWING RATIO OF STUDENT PAYMENTS TO TOTAL EXPENDITURES

INCOME	1929-1930	1930-1931	1931-1932	1932-1933
Income from Students:				
Tuition and Incidentals.....	\$ 760,266.50	\$ 790,017.50	\$ 820,315.60	\$ 746,690.62
Special fees, degrees, laboratory, etc. <sup>1</sup> .....	166,549.94	171,641.15	165,504.55	165,178.70
Total student income.....	\$ 926,816.44	\$ 961,658.65	\$ 985,820.15	\$ 911,869.32
Income from Endowments and Gifts.....	\$ 92,410.69	\$ 102,740.38	\$ 88,356.99	\$ 72,284.24
Income from Federal Government.....	95,072.22	95,090.98	95,092.24	95,093.17
Income from State.....	4,104,294.85	4,088,789.27	3,546,556.56	3,377,028.73
Income from Other Sources.....	2,061,955.78	2,446,698.84	2,055,907.39	1,584,599.53
Total income <sup>2</sup> .....	\$7,280,549.98	\$7,694,978.12	\$6,771,733.33	\$6,040,874.99
Expenditures <sup>3</sup> .....	\$7,179,799.36	\$7,422,768.64	\$6,533,545.14	\$5,569,634.09
Number of Students Registered.....	15,257	16,113	15,561	14,626
Ratio of Student Contribution to Total Expenditures..	13%	13%	15%	16.4%

<sup>1</sup> Includes Laboratory deposits paid by students

<sup>2</sup> Does not include (a) Agricultural Extension Funds; (b) Subsidiary Commercial Accounts; (c) Income for Capital Improvements.

<sup>3</sup> Does not include (a) Agricultural Extension Expenditures; (b) Subsidiary Commercial Accounts Expenditures; (c) Expenditures for Capital Improvements.



# SUMMARY OF THE FINANCIAL STATEMENT FOR THE YEAR ENDING JUNE 30, 1933

(A complete detailed Financial Report of the year ending June 30, 1933, is printed in separate form and may be had upon application.)

## THE OHIO STATE UNIVERSITY OFFICE OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 6, 1933

HON. H. S. ATKINSON,  
*Chairman of Board of Trustees,  
The Ohio State University.*

DEAR SIR:

The financial statement presented herein is that part of the Annual Report of the Board of Trustees to the Governor of Ohio, which shows the financial condition of The Ohio State University for the fiscal year ended June 30, 1933.

CARL E. STEEB,  
*Secretary.*

## CONSOLIDATED STATEMENT

### BALANCE SHEET

#### ASSETS

Current Assets	
Cash in Bank and on hand .....	\$ 519,687.37
Deposits .....	454.00
Inventories .....	279,866.94
State Appropriations .....	57,913.78
	<hr/>
	\$ 857,922.09
Investment Assets	
State Treasurer .....	1,151,368.35
University Treasurer .....	35,651.88
	<hr/>
	1,187,020.23
Educational Plant	
Lands .....	2,398,912.37
Land Improvements .....	1,428,530.79
Ohio Stadium .....	1,801,049.13
Buildings .....	11,018,852.89
Equipment of Departments .....	5,607,452.99
	<hr/>
	22,254,798.17
	<hr/>
Total Assets .....	\$24,299,740.49

#### LIABILITIES

Current Liabilities .....	\$ 800,008.31
Contingent Liabilities (State Appropriations) .....	57,913.78
Endowment Fund Liabilities	
Funds for General Purposes .....	\$ 968,988.38
Funds for Special Purposes .....	199,579.97
	<hr/>
	1,168,568.35
Trust Fund Liabilities .....	18,451.88
Physical Plant Liabilities .....	22,254,797.17
	<hr/>
Total Liabilities .....	\$24,299,740.49

### INCOME AND EXPENDITURES

Cash Balance July 1, 1932 .....	\$ 488,172.84
Total Income for Year .....	\$ 6,426,888.97
Less funds paid to State Treasurer and not available for the	
University .....	3,676.31
	<hr/>
Total Expenditures for Year .....	\$ 6,391,698.13
Balance for the Year .....	31,514.53
Cash Balance June 30, 1933 .....	\$ 519,687.37

## INCOME

## INCOME FROM STUDENTS:

Tuition and incidental fees .....	\$ 746,690.62
Special fees, degrees, etc. ....	15,240.00
Gymnasium locker rent .....	9,321.00

\$ 771,251.62

## INCOME FROM ENDOWMENTS:

For general purposes .....	13,045.88
For designatd purposes .....	10,614.40

23,660.28

## FEDERAL AID:

Land-grant Act of July 2, 1862 .....	31,450.66
Land-grant—Virginia Military Lands .....	13,642.57
Additional Aid—Acts of Aug. 30, 1890, and March 4, 1907....	50,000.00
Agricultural Extension Work—Acts of May 8, 1914, July 24, 1919, and January 17, 1928 .....	296,328.49

391,421.66

## STATE AID:

Current Expenses .....	3,377,028.73
Capital Improvements .....	
Agricultural Extension .....	207,929.77

3,584,958.50

## GIFTS FOR CURRENT EXPENSES:

For designated purposes .....	48,623.96
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48,623.96

## INCOME FROM OTHER SOURCES:

*Agricultural Extension—*

Boys' and Girls' Club Work .....	3,907.55
County Agents' Funds from Counties .....	163,710.32
Farmers' Institute Funds from Counties .....	14,175.00
Rotary .....	1,990.51

183,783.38

*Departmental Earnings—*

Applied Optics .....	3,958.50
Clinic .....	3,287.91
Dental Clinic .....	21,889.01
Dispensaries .....	2,376.75
Engineering Experiment Station .....	200.94
Farm Rotary .....	60,269.40
Lantern .....	8,129.58
Laundry .....	1,494.05
Ohio Biological Survey .....	226.75
Starling-Loving Hospital .....	127,753.77
University Publications .....	6,070.79
Veterinary Clinic .....	6,007.32

241,664.77

*For Designated Purposes—*

Class of 1931—Interest on Gift .....	13.52
Commutation of Uniforms .....	28,179.43
High School Debating Fund .....	445.00
*Miscellaneous Sales .....	3,676.31
Return of Loans .....	541.04
State Board of Education (Smith-Hughes) .....	44,533.33
Student Medical Service .....	27,589.00

104,977.63

Total Educational and General .....

\$ 5,350,341.80

## DORMITORIES AND DINING HALLS:

Pomerene Cafeteria .....	24,646.29
Residence Halls for Women .....	128,237.52
Stone Laboratory Dining Hall .....	3,792.91
University Schools Dining Hall .....	8,175.06
Grace Graham Walker House .....	3,210.90

168,062.68



## COMMERCIAL ACCOUNTS:

Meats Department .....	14,362.30	
Photograph Department .....	8,967.59	
Telephone Account .....	28,099.18	
University Bookstore .....	90,984.61	
University Print Shop .....	95,925.51	
Warehouse .....	398,011.73	
		636,350.92

## SUBSIDIARY COMMERCIAL ACCOUNTS:

Dairy Department—Official Testing .....	6,221.42	
Journal of Higher Education .....	5,849.59	
Ohio College Association .....	6,626.10	18,697.11

ATHLETIC DEPARTMENT.....	253,436.46	253,436.46
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Total Income .....	\$ 6,426,888.97
Less funds (*) paid to State Treasurer and not available for the University..	3,676.31
Total Available Income .....	\$ 6,423,212.66

## CLASSIFIED EXPENDITURES

## EXPENSES:

Salaries .....	\$ 4,307,501.31	
Boys' and Girls' Club Work .....	3,940.36	
Coal and Gas .....	69,486.26	
Employees and Extra Labor .....	121,278.73	
Feed for Livestock .....	11,191.95	
Field Work—Agricultural Extension .....	104,882.04	
Food Supplies .....	50,876.25	
Freight and Cartage .....	5,488.50	
Incidentals .....	40,863.30	
Laboratory and Educational Supplies.....	113,462.86	
Materials and General Supplies.....	103,436.96	
Printing .....	68,025.48	
Refunds—Military Uniforms .....	23,435.24	
Repairs to Equipment .....	11,170.46	
Scholarships and Student Aid .....	14,336.36	
State Teachers' Retirement System .....	35,778.45	
Stationery and Office Supplies .....	57,756.87	
Telephone and Telegraph .....	25,958.96	
Travel .....	14,983.81	
Water .....	30,924.74	
Total Expenses .....		\$ 5,219,778.89

## EQUIPMENT:

Apparatus .....	23,779.52	
Books .....	32,652.57	
Furniture and Fixtures .....	19,002.91	
Livestock .....	3,073.00	
Machinery, Tools, and Appliances .....	12,667.75	
Total Equipment .....		96,175.75

LANDS .....	48,063.89	
IMPROVEMENTS .....	2,151.77	

50,215.66

Total Educational and General .....	5,366,170.66
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## DORMITORIES AND DINING HALLS:

Pomerene Cafeteria .....	23,838.77	
Residence Halls for Women .....	115,050.76	
Stone Laboratory Dining Hall.....	2,861.98	
University Schools Dining Hall .....	7,974.97	
Grace Graham Walker House.....	2,560.87	

Total Dormitories and Dining Halls.....	152,287.35
---	------------

## COMMERCIAL:

Meats Department .....	13,395.60	
Photograph Department .....	9,744.59	
Telephone Account .....	23,783.39	
University Bookstore .....	91,266.20	
University Print Shop .....	83,274.14	
Warehouse .....	382,699.81	
Total Commercial .....		604,163.73

## SUBSIDIARY COMMERCIAL:

Dairy Dept.—Official Testing .....	6,361.71	
Journal of Higher Education .....	5,562.46	
Ohio College Association .....	6,603.03	
Total Subsidiary Commercial .....		18,527.20

ATHLETIC DEPARTMENT .....		250,549.55
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Total Expenditures .....		\$ 6,391,698.13
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## BALANCE SHEET, JUNE 30, 1933

## ASSETS

## CURRENT ASSETS:

Cash in bank and on hand for current expense.....	\$	519,687.37
Deposits .....		454.00
Inventories .....		279,866.94
Auditor of State, Special Appropriations .....		57,918.78

## INVESTMENT ASSETS:

State Treasurer (irreducible debt of the State).....	1,151,368.35	
Ohio State University Treasurer .....	35,651.88	

## EDUCATIONAL PLANT:

Lands, Buildings, and Equipment .....	22,254,798.17	
Total Assets .....		\$24,299,740.49

## LIABILITIES

CURRENT LIABILITIES .....	800,008.31	
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## CONTINGENT LIABILITIES:

Special State Appropriations .....	57,918.78	
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## ENDOWMENT FUNDS:

Funds for General Purposes, Invested.....	968,988.33	
Funds for Special Purposes, Invested .....	199,579.97	

TRUST FUNDS .....	18,451.88	
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PHYSICAL PLANT LIABILITIES.....	22,254,798.17	
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Total Liabilities .....		\$24,299,740.49
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## INCOME AND EXPENDITURES

## GIFTS FOR GENERAL AND DESIGNATED PURPOSES

The following items are turned into the State Treasury to the credit of Rotary Funds for use by the University:

<i>For Whom</i>	<i>Purpose</i>	<i>Amount</i>
Akron Alumnae Association .....	Student Loan Fund .....	\$ 60.00
American Society of Mechanical Engineers....	Research in Engineering .....	840.00
Bonnot Company .....	Research in Engineering .....	147.67
Climax Molybdenum Company.....	Research in Engineering .....	150.00
Columbus Scholarship Society.....	Student Loan Fund .....	600.00
Dairy and Ice Cream Mach. and Supply Assoc.	Fellowship in Dairy Technology.....	200.00
Delco Appliance Corporation .....	Research in Engineering .....	550.00
Detroit Alumnae Association .....	Student Loan Fund .....	30.93
Edgar Plastic Kaolin Company.....	Fellowship in Ceramic Engineering....	75.00
E. I. duPont de Nemours Company.....	Fellowship in Engineering.....	1,500.00
Graduate Students .....	Publication of Doctor's Dissertations...	7,284.35
Home Economics Nursery .....	Purchase of Equipment.....	2,060.85
Mine Operators .....	Night Classes in Mining.....	25.00
National Research Council .....	Research in Chemistry.....	650.00
National Electric Light Association.....	Rural Electrification Project.....	6,200.00
Neil Hall Students .....	Student Loan Fund .....	133.00
New York Alumnae Association.....	Student Loan Fund .....	100.00
Ohio Coal Investigation.....	Research in Engineering .....	498.22
Ohio Congress of Parent-Teachers.....	Incidentals—Educational Conference...	150.00
Ohio Federation of Women's Clubs.....	Latin American Scholarship.....	800.00
O. S. U. Women's Club.....	Student Loan Fund .....	96.53
Payne Fund Incorporated.....	Research in College of Education.....	17,725.00
Pittsburgh Alumnae Association.....	Student Loan Fund .....	44.15
Presser Foundation .....	Scholarship in Music .....	250.00
Springfield Alumnae Association.....	Student Loan Fund .....	25.00
Students in the University.....	Purchase of Books for the Library....	627.66
Students in the University.....	Grace Walker Memorial .....	213.75
Tabulating Machine Company.....	Purchase of Equipment .....	2,663.63
Timken Roller Bearing Company.....	X-Ray Research in Chemistry.....	2,825.00
Tobacco By-Products Company.....	Research in Veterinary Medicine.....	998.22
Warner Chemical Company .....	Research in Engineering .....	800.00
Cyrus M. Warren Fund.....	Research in Engineering .....	300.00
Total.....		\$48,623.96

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## SUMMARY OF ENROLLMENTS BY CLASSES AND COLLEGES—YEAR 1932-1933

	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			SPECIAL			IRREGULAR			TOTAL		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Agriculture .....	141	98	239	105	105	210	128	71	199	128	92	220	6	4	10	5	7	12	513	377	890
Applied Optics.....	14	....	14	11	1	12	17	....	17	14	1	15	....	....	....	8	....	8	64	2	66
Arts .....	512	204	716	331	130	461	276	117	393	244	104	348	6	9	15	12	14	26	1,381	578	1,959
Arts-Education ....	5	8	13	5	13	18	7	11	18	14	25	39	....	....	....	....	1	1	31	58	89
Commerce .....	361	142	503	369	134	503	293	94	387	342	71	413	10	1	11	3	....	3	1,378	442	1,820
Education .....	143	302	445	139	247	386	130	282	412	158	319	477	7	43	50	73	136	209	650	1,329	1,979
Engineering .....	328	3	331	438	1	439	324	2	326	297	....	297	11	....	11	7	3	10	1,405	9	1,414
Pharmacy .....	38	6	44	27	6	33	28	5	33	26	2	28	....	....	....	6	....	6	125	19	144
Veterinary Medicine	78	3	81	57	....	57	38	....	38	32	....	32	1	....	1	9	....	9	215	3	218
	1,620	766	2,386	1,482	637	2,119	1,241	582	1,823	1,255	614	1,869	41	57	98	123	161	284	5,762	2,817	8,579
<i>Professional Colleges</i>																					
Dentistry .....	51	....	51	57	1	58	40	....	40	44	....	44	....	....	....	....	....	....	192	1	193
Law .....	112	5	117	65	2	67	75	5	80	....	....	....	....	....	....	....	....	....	252	12	264
Medicine .....	96	5	101	81	3	84	84	4	88	86	4	90	....	....	....	....	....	....	347	16	363
Nursing .....	....	16	16	....	27	27	....	20	20	....	....	....	....	....	....	....	3	3	....	66	66
	259	26	285	203	33	236	199	29	228	130	4	134	....	....	....	....	3	3	791	95	886
TOTAL.....	1,879	792	2,671	1,685	670	2,355	1,440	611	2,051	1,385	618	2,003	41	57	98	123	164	287	6,553	2,912	9,465
Graduate School.....																			1,271	470	1,741
Less Duplicates in Graduate-Medicine.....																			7,824	3,382	11,206
																			8	1	9
GRAND TOTAL.....																			7,816	3,381	11,197

ENROLLMENT OF STUDENTS FOR THE YEAR 1932-1933

B

	ACADEMIC YEAR			SUMMER QUARTER			TOTAL ACADEMIC YEAR AND SUMMER QUARTER			SUMMER QUARTER DUPLICATES			FISCAL YEAR		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Agriculture .....	513	377	890	41	117	158	554	494	1,048	31	60	91	523	434	957
Applied Optics.....	64	2	66	8	.....	8	72	2	74	5	.....	5	67	2	69
Arts .....	1,381	578	1,959	261	149	410	1,642	727	2,369	133	67	200	1,509	660	2,169
Arts-Education .....	31	58	89	11	18	29	42	76	118	6	17	23	36	59	95
Commerce .....	1,378	442	1,820	212	62	274	1,590	504	2,094	140	33	173	1,450	471	1,921
Dentistry .....	192	1	193	.....	.....	.....	192	1	193	.....	.....	.....	192	1	193
Education .....	650	1,329	1,979	326	842	1,168	976	2,171	3,147	93	240	333	883	1,931	2,814
Engineering .....	1,405	9	1,414	220	2	222	1,625	11	1,636	182	1	183	1,443	10	1,453
Law .....	252	12	264	.....	.....	.....	252	12	264	.....	.....	.....	252	12	264
Medicine .....	347	16	363	10	.....	10	357	16	373	10	.....	10	347	16	363
Nursing .....	.....	66	66	.....	100	100	.....	166	166	.....	51	51	.....	115	115
Pharmacy .....	125	19	144	7	3	10	132	22	154	4	2	6	128	20	148
Veterinary Medicine.....	215	3	218	6	.....	6	221	3	224	5	.....	5	216	3	219
Graduate School.....	1,271	470	1,741	1,438	615	2,053	2,709	1,085	3,794	454	126	580	2,255	959	3,214
TOTAL.....	7,824	3,382	11,206	2,540	1,908	4,448	10,364	5,290	15,654	1,063	597	1,660	9,301	4,693	13,994
Less Duplicates in Graduate-Medicine.....	8	1	9	.....	.....	.....	8	1	9	.....	.....	.....	8	1	9
	7,816	3,381	11,197	2,540	1,908	4,448	10,356	5,289	15,645	1,063	597	1,660	9,293	4,692	13,985
Less Students Who Changed Colleges.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	126	63	189	126	63	189
TOTAL.....	7,816	3,381	11,197	2,540	1,908	4,448	10,356	5,289	15,645	1,189	660	1,849	9,167	4,629	13,796
Commerce Extension .....	665	163	828	.....	.....	.....	665	163	828	.....	.....	.....	665	163	828
GRAND TOTAL.....	8,481	3,544	12,025	.....	.....	.....	11,021	5,452	16,473	.....	.....	.....	9,832	4,792	14,624



## YEAR SUMMARY—1932-1933

## ENROLLMENT BY STATES AND COUNTRIES

<i>States</i>	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Alabama .....	8	6	2	12
Arizona .....	3	2	...	5
Arkansas .....	2	2	1	3
California .....	8	2	1	9
Colorado .....	2	4	1	5
Connecticut .....	25	6	4	27
Delaware .....	...	...	...	...
District of Columbia .....	12	3	...	15
Florida .....	4	5	...	9
Georgia .....	7	7	1	13
Idaho .....	3	1	1	3
Illinois .....	24	17	5	36
Indiana .....	77	36	14	99
Iowa .....	6	4	1	9
Kansas .....	7	10	4	13
Kentucky .....	18	13	4	27
Louisiana .....	5	1	...	6
Maine .....	3	...	...	3
Maryland .....	10	3	...	13
Massachusetts .....	34	6	3	37
Michigan .....	28	8	4	32
Minnesota .....	5	2	...	7
Mississippi .....	6	4	1	9
Missouri .....	11	10	1	20
Montana .....	4	2	1	5
Nebraska .....	4	1	1	4
Nevada .....	...	...	...	...
New Hampshire .....	9	1	1	9
New Jersey .....	83	8	4	87
New Mexico .....	..	1	...	1
New York .....	170	31	15	186
North Carolina .....	7	3	3	7
North Dakota .....	1	1	...	2
Ohio .....	10,304	4,094	1,724	12,674
Oklahoma .....	3	6	...	9
Oregon .....	1	3	...	4
Pennsylvania .....	130	47	12	165
Rhode Island .....	4	1	1	4
South Carolina .....	8	5	3	10
South Dakota .....	2	2	1	3
Tennessee .....	6	9	3	12
Texas .....	11	7	4	14
Utah .....	2	1	1	2
Vermont .....	3	...	...	3
Virginia .....	12	3	2	13
Washington .....	2	2	...	4
West Virginia .....	66	47	13	100
Wisconsin .....	9	4	2	11
Wyoming .....	1	1	...	2
Total States .....	11,150	4,432	1,839	13,743

# ENROLLMENT BY STATES AND COUNTRIES (Continued)

## YEAR 1932-1933

<i>Countries</i>	<i>Academic Year</i>	<i>Summer Quarter</i>	<i>Summer Quarter Duplicates</i>	<i>Fiscal Year</i>
Austria .....	1	1	.....	1
Bermuda .....	1	.....	.....	1
Canada .....	2	3	1	4
Canal Zone .....	1	1	1	1
Czechoslovakia .....	1	.....	.....	1
Chili .....	1	.....	.....	1
China .....	14	6	4	16
England .....	1	.....	.....	1
Germany .....	3	.....	.....	3
Haiti .....	2	.....	.....	2
Hawaii .....	2	1	1	2
Japan .....	1	.....	.....	1
Korea .....	1	.....	.....	1
Norway .....	1	1	1	1
Nova Scotia .....	1	.....	.....	1
Philippine Islands .....	8	.....	.....	8
Porto Rico .....	3	2	2	3
Russia .....	1	.....	.....	1
South America .....	2	.....	.....	2
Spain .....	.....	1	.....	1
Turkey .....	1	.....	.....	1
Total Countries .....	47	16	10	53
Total States and Countries.....	11,197	4,448	1,849	13,796

# ENROLLMENT IN OHIO BY COUNTIES—YEAR 1932-1933

<i>County</i>	<i>Academic Year</i>	<i>Summer Quarter</i>	<i>Summer Quarter Duplicates</i>	<i>Fiscal Year</i>
Adams .....	14	9	2	21
Allen .....	82	37	12	107
Ashland .....	43	22	10	55
Ashtabula .....	66	30	7	89
Athens .....	28	25	5	48
Auglaize .....	52	22	15	59
Belmont .....	97	33	12	118
Brown .....	18	11	4	25
Butler .....	65	24	8	81
Carroll .....	20	7	5	22
Champaign .....	42	13	8	47
Clark .....	115	30	13	132
Clermont .....	26	6	2	30
Clinton .....	39	18	5	52
Columbiana .....	81	33	10	104
Coshocton .....	34	16	3	47
Crawford .....	77	37	10	104
Cuyahoga .....	841	166	82	925
Darke .....	40	28	10	58
Defiance .....	28	22	10	40
Delaware .....	101	99	26	174
Erie .....	71	13	7	77
Fairfield .....	124	59	15	168
Fayette .....	38	22	8	52
Franklin .....	4,446	1,511	822	5,135
Fulton .....	27	14	4	37
Gallia .....	31	32	8	55
Geauga .....	29	5	1	33
Greene .....	81	51	17	115



## ENROLLMENT IN OHIO BY COUNTIES (Continued)

County	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Guernsey	61	28	6	83
Hamilton	130	37	15	152
Hancock	46	46	13	79
Hardin	53	34	7	80
Harrison	23	17	3	37
Henry	20	14	3	31
Highland	44	16	7	53
Hocking	16	12	3	25
Holmes	14	8	3	19
Huron	41	15	8	48
Jackson	41	23	6	58
Jefferson	86	47	18	115
Knox	75	44	17	102
Lake	47	18	9	56
Lawrence	35	14	2	47
Licking	142	74	22	194
Logan	71	39	18	92
Lorain	104	38	12	130
Lucas	122	54	21	155
Madison	51	23	8	66
Mahoning	195	67	27	235
Marion	72	33	10	95
Medina	38	7	4	41
Meigs	30	12	2	40
Mercer	25	10	4	31
Miami	63	33	9	87
Monroe	21	11	1	31
Montgomery	222	86	44	264
Morgan	37	17	8	46
Morrow	32	24	3	53
Muskingum	121	41	14	148
Noble	26	25	4	45
Ottawa	17	9	3	23
Paulding	6	4	.....	10
Perry	48	36	16	68
Pickaway	81	37	11	107
Pike	15	11	4	22
Portage	41	34	7	68
Preble	25	8	3	30
Putnam	27	19	7	39
Richland	75	25	4	96
Ross	60	30	12	78
Sandusky	56	23	8	71
Scioto	81	22	3	100
Seneca	57	34	8	83
Shelby	34	13	6	41
Stark	163	79	36	206
Summit	120	50	11	159
Trumbull	71	27	7	91
Tuscarawas	98	39	19	118
Union	54	34	12	76
Van Wert	42	25	11	56
Vinton	9	8	2	15
Warren	20	4	2	22
Washington	65	41	15	91
Wayne	84	42	23	103
Williams	37	22	5	54
Wood	34	36	11	59
Wyandot	24	22	6	40
Total	10,304	4,094	1,724	12,674

## RELIGIONS OF STUDENTS—YEAR 1932-1933

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Advent Christian .....		1	.....	1
African Methodist .....	31	19	8	42
Agnostic .....	1	.....	.....	1
Atheist .....	1	1	1	1
Baptist .....	422	178	67	533
Brethren .....	37	43	13	67
Buddhism .....	1	1	1	1
Catholic .....	856	197	111	942
Christian .....	203	107	47	263
Christian Congregational .....	21	19	5	35
Christian Science .....	124	22	11	135
Church of God .....	3	8	2	9
Church of Christ .....	221	87	36	272
Community .....	76	16	8	84
Congregational .....	381	167	62	486
Disciple .....	22	21	5	38
Dunkard .....	3	.....	.....	3
Episcopal .....	383	107	48	442
Evangelical .....	124	42	14	152
Evangelical Protestant .....	15	5	2	18
Federated .....	3	1	.....	4
Friends .....	48	27	10	65
Greek Orthodox .....	12	.....	.....	12
Independent Protestant .....	8	3	2	9
International Bible Students .....	4	1	.....	5
Jewish .....	776	54	29	801
Latter Day Saints .....	13	8	7	14
Lutheran .....	592	262	95	759
Mennonite .....	21	16	6	31
Methodist Episcopal .....	2,796	1,408	504	3,700
Methodist Protestant .....	49	27	10	66
Southern Methodist .....	8	8	1	15
Moravian .....	8	1	1	8
Nazarene .....	6	2	2	6
New Thought .....	4	1	1	4
Non Sectarian .....	269	85	50	304
Presbyterian .....	1,350	579	242	1,687
Protestant .....	115	46	17	144
Protestant Episcopal .....	5	2	.....	7
Reformed .....	154	83	26	211
Reformed Jewish .....	21	3	2	22
Russian Orthodox .....	.....	2	.....	2
Serbian Orthodox .....	2	1	1	2
Seventh Day Adventist .....	8	6	3	11
Swedenborgian .....	1	1	1	1
Swedish Mission .....	1	.....	.....	1
Union .....	3	2	.....	5
Unitarian .....	28	9	3	34
United Brethren .....	180	112	39	253
United Presbyterian .....	116	67	24	159
Universalist .....	13	6	2	17
Zionist .....	3	.....	.....	3
None given .....	1,655	584	330	1,909
Total.....	11,197	4,448	1,849	13,796



# OCCUPATIONS OF PARENTS OR GUARDIANS—YEAR 1932-1933

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Accountants, Auditors, Cashiers, Clerks, Etc. ....	296	84	41	339
Advertising .....	41	6	4	43
Aviation .....	1	1	.....	2
Architects, Draftsmen .....	27	7	3	31
Army and Navy .....	19	6	.....	25
Attorneys, Judges, Statesmen .....	163	55	28	190
Auctioneers .....	3	1	.....	4
Authors and Writers .....	3	.....	0	3
Automobile Dealers .....	28	8	4	32
Bakers, Confectioners .....	26	2	2	26
Bankers, Finance .....	110	32	15	127
Barbers, Beauty Culturists .....	43	12	6	49
Baseball Players .....	1	.....	.....	1
Blacksmiths .....	10	8	3	15
Bookbinders .....	5	.....	.....	5
Bricklayers .....	17	4	2	19
Brokers, Investment Securities .....	28	5	2	31
Business .....	247	37	20	264
Business Executives .....	307	50	46	311
Butchers, Meat Dealers .....	27	5	1	31
Cantors .....	1	1	1	1
Carpenters, Cabinet Makers .....	89	35	13	111
Chauffeurs .....	8	1	.....	9
Chefs, Cooks, Caterers .....	15	7	2	20
Chemists .....	16	3	2	17
Clergymen, Rabbi .....	172	118	41	249
Coal and Ice .....	35	6	3	38
Contractors .....	219	63	23	259
Dairymen .....	50	9	.....	59
Decorators, Painters .....	36	13	2	47
Dentists .....	69	20	11	78
Designers, Commercial Artists .....	15	2	2	15
Druggists, Pharmacists .....	74	20	9	85
Dry Cleaners, Pressers .....	18	2	1	19
Editors, Newspapermen .....	39	7	2	44
Electricians .....	45	12	5	52
Engineers (Professional) .....	155	43	28	170
Engineers (Stationary) .....	71	21	14	78
Farmers and Ranchers .....	1,145	670	204	1,611
Filling Station Operators .....	18	6	2	22
Fishermen .....	1	1	1	1
Gardeners, Horticulturists, Nurserymen.....	70	22	11	81
Foremen .....	96	31	12	115
Fruit Dealers .....	20	2	1	21
Furriers .....	13	2	.....	15
Garage, Repairing .....	22	3	1	24
Gas and Fuel .....	16	7	4	19
Glassworkers .....	4	2	.....	6
Golf Professionals .....	3	1	1	3
Government, State, County, City Employees.....	305	96	58	344
Grain, Hay, Lumber .....	46	22	8	60
Grocers .....	94	27	9	112
Hotel, Restaurant Owners and Employees.....	66	15	6	75
Inventors .....	1	1	1	1
Inspectors .....	31	19	5	45
Insurance (Salesmen and Claim Examiners).....	198	51	27	222
Interior Decorators .....	17	1	.....	18
Iron and Steel Workers .....	72	14	5	81
Janitors, Maids .....	40	19	6	53
Jewelers, Watchmakers .....	26	8	3	31
Jobbers .....	7	4	.....	11
Junk Dealers, Scrap Iron .....	18	.....	.....	18
Laborers .....	152	46	27	171
Ladies Specialties .....	10	.....	.....	10

# OCCUPATIONS OF PARENTS OR GUARDIANS—(Continued)

	Academic Year	Summer Quarter	Summer Quarter Duplicates	Fiscal Year
Laundrymen .....	12	4	1	15
Leather Workers .....	5	.....	.....	5
Librarians .....	5	4	.....	9
Livestock Dealers .....	10	6	3	13
Locksmiths, Bicycle Repairers .....	2	.....	0	2
Machinists .....	84	26	12	98
Marblesetters .....	.....	1	.....	1
Manufacturers .....	167	36	24	179
Mechanics .....	37	17	6	43
Merchants .....	518	134	60	592
Metal Trades .....	16	3	2	17
Millers .....	14	4	1	17
Mill Workers, Shopworkers .....	27	9	9	27
Miners .....	12	11	7	16
Mine Operators .....	5	3	1	7
Missionaries .....	11	7	7	11
Musicians, Artists .....	26	6	1	31
Oil Producers .....	16	5	1	20
Opticians, Optometrists .....	26	2	1	27
Osteopaths, Chiropractors .....	8	3	1	10
Paper Makers .....	.....	3	.....	3
Pawn Brokers .....	2	1	.....	3
Photographers .....	13	3	.....	16
Physicians, Surgeons, Nurses .....	246	71	38	279
Piano Tuners .....	1	.....	.....	1
Plasterers .....	5	1	.....	6
Plumbers .....	16	3	.....	19
Potters .....	7	3	1	9
Poultrymen .....	18	5	1	22
Printers, Publishers .....	47	13	7	53
Quarrymen .....	3	2	.....	5
Railway .....	471	120	57	534
Real Estate .....	159	42	21	180
Research Workers .....	9	2	2	9
Retired .....	369	292	91	570
Roofers, Tanners .....	2	.....	.....	2
Rubber Workers .....	6	4	2	8
Sailors .....	1	.....	.....	1
Salesmen .....	452	87	56	485
School Officials, Teachers, etc. ....	378	164	85	457
Shoe Workers, Repairers .....	23	6	1	23
Social Workers, House Mothers.....	16	11	7	20
Students .....	3	2	2	3
Surveyors .....	2	.....	.....	2
Tailors, Seamstresses .....	73	12	7	78
Taxidermists .....	1	.....	.....	1
Telephone, Telegraph .....	60	17	9	68
Toolmakers .....	10	4	1	13
Theatre Owners and Operators .....	11	2	1	12
Traffic Managers .....	21	1	1	21
Transfer and Storage .....	18	4	4	18
Undertakers .....	23	5	2	26
Upholsterers .....	4	1	.....	5
Veterinarians .....	45	.....	.....	45
Violin Makers, Repairers .....	1	.....	.....	1
Watchmen, Sextons .....	13	.....	.....	13
Well Drillers .....	9	2	.....	11
Wholesale .....	39	11	3	47
Y. M. C. A., Y. W. C. A., Religious Workers.....	9	1	1	9
Mothers with no occupations.....	1,080	469	145	1,404
None given, or deceased.....	1,510	1,027	439	2,098
Total.....	11,197	4,448	1,849	13,796



# STUDENT ATTENDANCE AT THE UNIVERSITY BY YEARS D BEGINNING 1890-1891

(From 1890 to 1930 the student attendance was analyzed according to a different plan, which is now discontinued, and the annual attendance as printed below will be published hereafter.)

1890-1891.....	305	1911-1912.....	3,928
1891-1892.....	465	1912-1913.....	3,969
1892-1893.....	642	1913-1914.....	4,435
1893-1894.....	686	1914-1915.....	5,332
1894-1895.....	745	1915-1916.....	5,882
1895-1896.....	969	1916-1917.....	6,188
1897-1898.....	1,009	1917-1918.....	5,150
1897-1898.....	1,150	1918-1919.....	5,725
1898-1899.....	1,178	1919-1920.....	7,817
1899-1900.....	1,268	1920-1921.....	8,318
1900-1901.....	1,481	1921-1922.....	8,850
1901-1902.....	1,547	1922-1923.....	9,495
1902-1903.....	1,757	1923-1924.....	10,488
1903-1904.....	1,933	1924-1925.....	11,535
1904-1905.....	1,958	1925-1926.....	12,085
1905-1906.....	2,157	1926-1927.....	13,023
1906-1907.....	2,277	1927-1928.....	13,925
1907-1908.....	2,473	1928-1929.....	14,403
1908-1909.....	2,794	1929-1930.....	15,142
1909-1910.....	3,275	1930-1931.....	15,693
1910-1911.....	3,439	1931-1932.....	15,536
		1932-1933.....	14,624

## APPENDIX II

### BOARD OF TRUSTEES—1932-1933

	<i>Date of Original Appointment</i>	<i>Term Expires</i>
EGBERT H. MACK, Sandusky .....	Dec. 12, 1922	Dec. 20, 1932
MRS. ALMA W. PATERSON, Columbus .....	Mar. 27, 1924	June 8, 1933
HERBERT S. ATKINSON, Columbus .....	Mar. 17, 1925	May 13, 1934
NEWTON D. BAKER, Cleveland .....	Dec. 21, 1932	May 13, 1935
JOHN KAISER, Marietta .....	Feb. 25, 1915	May 13, 1936
*JULIUS F. STONE, Columbus .....	Mar. 17, 1925	May 13, 1937
LAWRENCE E. LAYBOURNE, Springfield .....	May 14, 1921	May 13, 1938
HARRY A. CATON, Coshocton .....	May 14, 1925	May 13, 1939
M. EDITH CAMPBELL, Cincinnati .....	June 9, 1933	May 13, 1940

\* Julius F. Stone served also as a member from May 13, 1909 to March 21, 1917.

### OFFICERS OF THE BOARD

EGBERT H. MACK, *Chairman*

July 1, 1932, to December 20, 1932

HERBERT S. ATKINSON, *Chairman*

December 21, 1932, to June 30, 1933

HERBERT S. ATKINSON, *Vice-Chairman*

July 1, 1932, to December 20, 1932

HARRY A. CATON, *Vice-Chairman*

December 21, 1932, to June 30, 1933

CARL E. STEEB, *Secretary*

CHARLES F. KETTERING, *Treasurer*

### ADMINISTRATIVE OFFICERS

*For the year ending June 30, 1932*

GEORGE W. RIGHTMIRE.....*President*  
Office—Administration Building, UN-3148; Campus 312.  
Residence—Ohio State University Campus, UN-3148; Campus 274.

WILLIAM OXLEY THOMPSON.....*President Emeritus*  
Residence—55 Woodland Avenue, FA-9130.

JAMES LEWIS MORRILL.....*Vice President*  
Office—Administration Building, UN-3148; Campus 628.  
Residence—459 West 8th Avenue, UN-9427-W.

CARL E. STEEB.....*Secretary of the Board of Trustees and Business Manager*  
Office—Administration Building—UN-3148; Campus 332.  
Residence—198 West Eleventh Avenue, UN-4732.

GEORGE W. ECKELBERRY.....*Assistant to the President*  
Office—Administration Building, UN-3148; Campus 380.  
Residence—2023 Collingswood Road, KI-1343.

EDITH D. COCKINS  
*Registrar, University Editor, Secretary of the University Faculty, and Alumni Recorder*  
Office—Administration Building, UN-3148; Campus 314.  
Residence—1580 Guilford Road, KI-2726.

BLAND L. STRADLEY.....*University Examiner*  
Office—Administration Building, UN-3148; Campus 412.  
Residence—Canal Winchester, Canal Winchester Ex. 71.



KATHERINE A. VOGEL.....	<i>Executive Clerk</i>
Office—Administration Building, UN-3148; Campus 312.	
Residence—1040 Elmwood Avenue, KI-5883.	
CHARLES A. KUNTZ.....	<i>Comptroller</i>
Office—Administration Building, UN-3148; Campus 332.	
Residence—123 Jeffrey Place, LA-3606.	
FLORIS D. HANE.....	<i>Cashier</i>
Office—Administration Building, UN-3148; Campus 372.	
Residence—373 Thirteenth Avenue, WA-1054.	
JOSEPH A. PARK.....	<i>Dean of Men</i>
Office—Administration Building, UN-3148; Campus 283	
Residence—1474 Doone Road, KI-1702.	
ESTHER ALLEN GAW.....	<i>Dean of Women</i>
Office—Pomerene Hall, UN-3148; Campus 480, 238, 226.	
Residence—60 Jefferson Avenue, MA-2692.	
EMMA E. PROUT.....	<i>House Superintendent, Residence Halls</i>
Office—Oxley Hall, UN-3148; Campus 346.	
Residence—Mack Hall, UN-3148; Campus 264.	
EDWARD S. DRAKE.....	<i>Manager of Ohio Union</i>
Office—Ohio Union, UN-3148; Campus 273.	
Residence—2094 Neil Avenue, UN-4073.	
JAMES E. POLLARD.....	<i>Director of News Bureau</i>
Office—Administration Building, UN-3148; Campus 491. 527.	
Residence—2000 Devon Road, KI-4271.	
WILLIAM C. McCracken.....	<i>Chief Engineer and Superintendent of Buildings and Grounds</i>
Office—Service Building, UN-3148; Campus 428, 517.	
Residence—2005 Berkshire Road, KI-4669.	
RAY M. ROYER.....	<i>Purchasing Agent</i>
Office—Administration Building, UN-3148; Campus 374.	
Residence—1828 Arlington Avenue, KI-4063.	
FRED E. JONES.....	<i>Director of Stores and Receiving Department</i>
Office—Service Building, UN-3148; Campus 354.	
Residence—255 Oakland Park Avenue, LA-3461.	
CHESTER W. McCLINTOCK.....	<i>Storekeeper</i>
Office—Chemistry Building, UN-3148; Campus 228.	
Residence—232 Glenmont Avenue, LA-4070.	
H. DWIGHT SMITH.....	<i>University Architect</i>
Office—100 Brown Hall, UN-3148; Campus 361.	
Residence—1950 Arlington Avenue, KI-3542.	
GEORGE H. SIEBERT.....	<i>Manager of the University Bookstore</i>
Office—Derby Hall, UN-3148; Campus 511.	
Journalism Building, UN-3148; Campus 275.	
Residence—2239 Fairfax Road, KI-1342.	

## CHANGES IN FACULTY

## NEW APPOINTMENTS 1932-1933

First Lieut. Godfrey D. Adamson .....	Assistant Professor. ....	Military Science
Norma Albright .....	Assistant Professor. ....	University School
Raymond C. Atkinson .....	Acting Associate Professor. ....	Political Science
Carolyn Bradley .....	Assistant Professor. ....	Fine Arts
Charles C. Cowell .....	Associate Professor. ....	University School
George M. Curtis .....	Professor .....	Medical and Surgical Research
Paul B. Diederich .....	Assistant Professor. ....	University School
Harold Fawcett .....	Assistant Professor. ....	University School
Robert J. Havighurst .....	Associate Professor .....	University School
Loa L. LeBrant .....	Associate Professor .....	University School

Arthur H. Moehlman .....	Assistant Professor .....	University School
C. Warren Moore .....	Assistant Professor .....	University School
Delbert Oberteuffer .....	Professor .....	Physical Education
Virginia S. Sanderson .....	Associate Professor .....	University School
Major Edwin F. Shaffer .....	Assistant Professor .....	Military Science
Charles B. Sutton .....	Assistant Professor .....	Fine Arts
Elzer D. Tetreau .....	Associate Professor .....	Rural Economics
Major Lowell B. Wright .....	Assistant Professor .....	Military Science

## PROMOTIONS IN RANK 1932-1933

Harold B. Alberty .....	Associate Professor to Professor .....	Principles of Education
Carl B. Arnold .....	Asst. Professor to Associate Professor .....	Rural Economics
Rollo C. Baker .....	Associate Professor to Professor .....	Anatomy
Capt. Paul A. Barry .....	Asst. Professor to Associate Professor .....	Military Science
Theodore N. Beckman .....	Associate Professor to Professor .....	Business Organization
Glenn W. Blaydes .....	Instructor to Assistant Professor .....	Botany
Viva B. Boothe .....	Asst. Professor to Associate Professor .....	Bureau of Business Research
Edison L. Bowers .....	Asst. Professor to Associate Professor .....	Economics
Wallace R. Brode .....	Asst. Professor to Associate Professor .....	Chemistry
Howard G. Brunsman .....	Research Associate to Assistant Professor .....	Bureau of Business Research
John F. Byrne .....	Instructor to Assistant Professor .....	Electrical Engineering
Jesse E. Day .....	Associate Professor to Professor .....	Chemistry
Charles G. Duncombe .....	Instructor to Assistant Professor .....	Chemical Engineering
W. Conrad Fernelius .....	Instructor to Assistant Professor .....	Chemistry
Leighton G. Foster .....	Asst. Professor to Associate Professor .....	Rural Economics
Wesley G. France .....	Associate Professor to Professor .....	Chemistry
Maj. Marion O. French .....	Asst. Professor to Associate Professor .....	Military Science
Walter Gausewitz .....	Instructor to Assistant Professor .....	German
Jerome B. Green .....	Instructor to Assistant Professor .....	Physics
Lawrence Grinstead .....	Associate Professor to Professor .....	Bureau of Business Research
Harlan H. Hatcher .....	Assistant Professor to Professor .....	English
Darwin A. Hindman .....	Asst. Professor to Associate Professor .....	Physical Education
Walter R. Hobbs .....	Associate Professor to Professor .....	Veterinary Medicine
Osman C. Hooper .....	Professor to Emeritus Professor .....	Journalism
H. Gordon Hullfish .....	Associate Professor to Professor .....	Principles of Education
Emerson E. Kimberly .....	Asst. Professor to Associate Professor .....	Electrical Engineering
Harold P. Knauss .....	Instructor to Assistant Professor .....	Physics
William A. Knight .....	Professor to Emeritus Professor .....	Industrial Engineering
Ralph A. Knouff .....	Associate Professor to Professor .....	Anatomy
Joseph H. Koffolt .....	Instructor to Assistant Professor .....	Chemical Engineering
Joseph A. Leeder .....	Associate Professor to Professor .....	Music
Charles E. Lively .....	Asst. Professor to Associate Professor .....	Rural Economics
Norval N. Luxon .....	Instructor to Assistant Professor .....	Journalism
Josephine MacLatchy .....	Editorial Assistant to Assistant Professor .....	Bureau Educational Research
Oscar J. Marshall .....	Instructor to Assistant Professor .....	Civil Engineering
Charles G. McBride .....	Asst. Professor to Associate Professor .....	Rural Economics
John W. Means .....	Asst. Professor to Associate Professor .....	Surgery
Harlan G. Metcalf .....	Asst. Professor to Associate Professor .....	Physical Education
Robert S. Newdick .....	Instructor to Assistant Professor .....	English
Arthur H. Noyes .....	Asst. Professor to Associate Professor .....	History
Edward V. O'Rourke .....	Asst. Professor to Associate Professor .....	Mine Engineering
Percy W. Ott .....	Associate Professor to Professor .....	Mechanics
Marion L. Pool .....	Instructor to Assistant Professor .....	Physics
Will Rannels .....	Instructor to Assistant Professor .....	Fine Arts
Russell E. Rebrassier .....	Asst. Professor to Associate Professor .....	Veterinary Medicine
Philip J. Reel .....	Asst. Professor to Associate Professor .....	Surgery
N. Gilbert Riddle .....	Instructor to Assistant Professor .....	Business Organization
Robert O. Roseler .....	Asst. Professor to Associate Professor .....	German
Hoyt L. Sherman .....	Instructor to Assistant Professor .....	Fine Arts
John N. Shoemaker .....	Asst. Professor to Associate Professor .....	Veterinary Medicine
Henry H. Simms .....	Instructor to Assistant Professor .....	History
L. Edwin Smart .....	Asst. Professor to Associate Professor .....	Economics
Richard P. Snyder .....	Assistant Professor to Professor .....	Dentistry



Edmund M. Spieker ..... Associate Professor to Professor..... Geology  
 Kwan Y. Tang..... Instructor to Assistant Professor..... Electrical Engineering  
 William N. Taylor..... Asst. Professor to Associate Professor..... Surgery  
 Lewis H. Tiffany..... Associate Professor to Professor..... Botany  
 Ralph W. Tyler..... Associate Professor to Professor..... Bureau Educational Research  
 Willard L. Valentine..... Asst. Professor to Associate Professor..... Psychology  
 E. Harlan Wilson..... Instructor to Assistant Professor..... Surgery  
 Arthur G. Wyatt..... Instructor to Assistant Professor..... Civil Engineering  
 Laura Zirbes ..... Associate Professor to Professor..... Principles of Education  
 Robert V. Zumstein..... Instructor to Assistant Professor..... Physics

THE HOUSE OF REPRESENTATIVES - 1925

VOLUME DIX III

## APPENDIX III

## THE WORK OF INSTRUCTORS—1932-1933

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
<b>ACCOUNTING</b>												
Elements of Accounting	401	5	23	401	5	138	401	5	220	401	5	117
Elements of Accounting	402	5	25	402	5	61	402	5	108	402	5	164
Outline of Accounting	...	...	...	405	5	32	405	5	25	...	...	...
Advanced Principles of Accounting	601	5	26	601	5	89	601	5	60	601	5	47
Advanced Principles of Accounting	...	...	...	602	5	25	602	5	32	602	5	19
Cost Accounting	603	4	17	603	4	11	603	4	48	...	...	...
Cost Accounting	604	4	14	...	...	...	604	4	9	604	4	39
Problems in Cost Accounting	...	...	...	605	3	10	...	...	...	...	...	...
Institutional Accounting	...	...	...	...	...	...	...	...	...	606	2	0
Auditing	...	...	...	607	2	32	607	2	14	...	...	...
Auditing	...	...	...	...	...	...	608	2	30	608	2	11
Income Tax Accounting	...	...	...	611	2	21	...	...	...	611	2	36
Constructive Accounting	...	...	...	612	4	8	...	...	...	612	4	31
Accounting Practice	...	...	...	613	4	33	613	4	21	...	...	...
Accounting Practice	...	...	...	...	...	...	614	4	25	614	4	19
Business Statements	...	...	...	616	3	20	616	3	20	616	3	57
Managerial Accounting	...	...	...	...	...	...	617	3	7	...	...	...
Managerial Accounting	...	...	...	...	...	...	...	...	...	618	3	8
Advanced Accounting Theory	...	...	...	...	...	...	...	...	...	622	3	0
Retail Accounting	...	...	...	623	3	3	...	...	...	...	...	...
Factory Costs	...	...	...	...	...	...	...	...	...	624	5	41
Bank Accounting	...	...	...	...	...	...	...	...	...	625	2	0
Research in Accounting	801	3	4	801	3	0	...	...	...	...	...	...
Research in Accounting	...	...	...	...	...	...	802	3	1	...	...	...
Research in Accounting	...	...	...	...	...	...	...	...	...	803	3	0
Graduate Seminary in Accounting	...	...	...	804	2	7	...	...	...	...	...	...
Graduate Seminary in Accounting	...	...	...	...	...	...	805	2	0	...	...	...
Graduate Seminary in Accounting	...	...	...	...	...	...	...	...	...	806	2	0
<b>ADULT EDUCATION</b>												
Theory and Problems of Adult Education	609	2	2	609	2	5	609	2	3	609	2	0
Leadership Training	615	3	...	...	...	...	615	3	3	...	...	...
Minor Problems	650	1+	1	650	1+	4	650	1+	6	650	1+	3
Advanced Leadership Training	...	...	...	815	1	0	815	1	0	815	1	0



AGRICULTURAL CHEMISTRY												
General Agricultural Chemistry.....	...	...	...	401	5	93	401	5	55	401	5	38
Household Chemistry.....	...	...	...	402	5	49	402	5	38	402	5	15
Household Chemistry.....	...	...	...	403	5	11	403	5	38	403	5	29
Introductory Agricultural Analysis.....	...	...	...	...	...	...	404	3	1	...	...	...
Principles of Animal Nutrition.....	...	...	...	405	3	0	...	...	...	...	...	...
Animal Chemistry.....	...	...	...	...	...	...	...	...	...	406	3	50
General Biological Chemistry.....	...	...	...	601	5	21	601	5	28	...	...	...
Food Inspection and Analysis.....	...	...	...	...	...	...	...	...	...	602	5	7
Dairy Chemistry.....	...	...	...	604	5	18	...	...	...	...	...	...
Dairy Chemistry.....	...	...	...	...	...	...	605	5	17	...	...	...
Dairy Chemistry.....	...	...	...	...	...	...	...	...	...	606	5	15
Animal Nutrition.....	...	...	...	...	...	...	...	...	...	608	5	4
Special Problems.....	...	...	...	701	3-15	3	701	3-15	10	701	3-15	3
Plant Chemistry.....	...	...	...	...	...	...	...	...	...	801	5	7
Special Problems.....	...	...	...	802	5-15	2	802	5-15	1	802	5-15	0
Research.....	...	...	...	803	5-15	4	803	5-15	1	803	5-15	2
Seminary.....	...	...	...	804	1	7	804	1	0	804	1	0

AGRICULTURAL EDUCATION												
Principles Applied to the Teaching of Vocational Agriculture in Secondary Schools.....	400	5	8	...	...	...	400	5	12	400	5	10
Teaching of Vocational Agriculture in Secondary Schools .....	401	5	9	401	5	28	...	...	...	401	5	5
Observation of the Teaching of Vocational Agriculture .....	...	...	...	402	5	3	402	5	18	402	5	16
Supervised Teaching of Vocational Agriculture .....	...	...	...	403	5	3	403	5	18	403	5	16
Special Methods of Teaching Vocational Agriculture in Secondary Schools .....	601	5	5	601	5	2	601	5	14	601	5	18
History of Agricultural Education .....	602	5	0	...	...	...	602	5	0	...	...	...
Agricultural Education and the Vocational Education Movement .....	603	5	0	...	...	...	...	...	...	603	5	0
Project Records and Analysis.....	605	3	10	...	...	...	...	...	...	...	...	...
The Conference Method Applied to Instruction in Agriculture .....	607	3	0	...	...	...	...	...	...	607	3	0
Special Problems .....	801	3-12	10	801	3-12	1	801	3-12	0	801	3-12	2
The Problem Method Applied to Secondary and College Teaching in Agriculture.....	803	5	6	...	...	...	803	5	10	...	...	...
Organization and Administration of Teacher Training for Vocational Agriculture.....	806	3	0	...	...	...	806	3	1	...	...	...
Organization and Methods of Conducting part-time and Evening School in Voc'l. Agr'l.....	808	3	7	...	...	...	...	...	...	...	...	...
Research for Teachers of Vocational Agriculture .....	809	3	11	...	...	...	...	...	...	...	...	...
Seminar in Agricultural Education.....	810	1-3	7	810	1-3	0	810	1-3	0	810	1-3	0

AGRICULTURAL ENGINEERING												
Field Machinery .....	...	...	...	401	5	32	401	5	39	...	...	...
Agricultural Drawing .....	...	...	...	402	3	26	402	3	26	402	3	19
Farm Motors and Tractors.....	...	...	...	...	...	...	404	5	10	404	5	0
Farm Conveniences .....	...	...	...	...	...	...	405	5	6	...	...	...
Dairy Mechanics .....	...	...	...	408	3	9	...	...	...	...	...	...
Farm Structures .....	...	...	...	...	...	...	602	5	0	...	...	...

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THE OHIO STATE UNIVERSITY



Human Anatomy .....	621	5	100	622	5	91	623	6	89
Human Anatomy .....	624	5	100	625	5	89	626	5	86
Human Anatomy .....	627	2	83	628	3	8	629	3	8
Microscopic Anatomy .....	628	3	4	629	7	52	630	5	52
Developmental Anatomy .....	638	7	48	639	7	52	640	5	52
Neurology .....	801	5	0	802	5	0	803	5	0
Topographical Anatomy .....	804	5	1	805	5	2	806	5	0
Special Advanced Anatomy .....									
Human Anatomy .....									
Histology and Embryology .....									
Advanced Anatomy .....									
Advanced Anatomy .....									
Advanced Anatomy .....									
Anatomical Problems .....									
Anatomical Problems .....									
Anatomical Problems .....									
ANIMAL HUSBANDRY									
Elementary Live Stock Judging .....	401	5	43	401	5	11	401	5	5
Feeding Live Stock .....	402	5	75	402	5	34	403	5	52
Types and Breeds of Live Stock .....	404	3	0	404	3	18	405	5	10
Dairy Cattle and Milk Secretion .....	405	5	0	405	5	0	406	3	9
Dairy Cattle Breeds .....				407	3	22	409	5	49
Breeds of Beef Cattle and Swine .....				408	3	0	602	5	12
Selection and Cutting of Meat .....							603	5	26
Breeds of Sheep and Horses .....							605	5	13
Animal Breeding .....				601	5	16	607	5	8
Horse Production and Management .....							609	5	15
Beef Cattle Production and Management .....							611	3	10
Swine Production and Management .....							613	5	0
Dairy Cattle Production and Management .....	604	5	0	604	5	8	614	5	0
Sheep Production and Management .....	606	5	9	607	5	8	615	3	8
Advanced Live Stock Judging .....	608	5	0	609	5	15	616	3	0
Meats and Meat Products .....									
Live Stock Markets and Marketing .....									
Breeding Live Stock .....									
Herd Book Study .....	612	5	6	611	3	10			
Milk Production .....									
Extension Problems in Dairy Production .....									
Dairy Cattle Seminar .....									
Advanced Dairy Cattle Judging .....									
Dairy Inspection Trip .....	616	3	6						
Dairy Production for Teachers of Vocational Agriculture .....									
Special Problems .....	707	3-15	28	701	3-15	7	617	5	5
Research Work .....	801	3-15	2	801	3-15	2	701	3-15	5
							801	3-15	0
APPLIED OPTICS									
Vision Optics .....	411	4	16	412	4	15	413	4	15
Vision Optics .....									
Vision Optics .....									
Theoretical Applied Optics .....	421	3	20						

THE WORK OF INSTRUCTORS—1932-1933—Continued

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Theoretical Applied Optics .....	...	...	...	...	...	...	422	3	20	...	...	...
Theoretical Applied Optics .....	...	...	...	...	...	...	...	...	...	423	3	18
Mechanical Optics .....	...	...	...	431	2	20	...	...	...	...	...	...
Mechanical Optics .....	...	...	...	...	...	...	432	2	20	...	...	...
Mechanical Optics .....	...	...	...	...	...	...	...	...	...	433	2	18
Clinical Laboratory Practice.....	...	...	...	441	5	20	...	...	...	...	...	...
Clinical Laboratory Practice.....	...	...	...	...	...	...	442	5	20	...	...	...
Clinical Laboratory Practice.....	...	...	...	...	...	...	...	...	...	443	5	18
ARCHITECTURE												
Perspective .....	...	...	...	...	...	...	402	3	18	...	...	...
Composition .....	...	...	...	403	3	16	...	...	...	...	...	...
Elements of Architecture .....	...	...	...	413	3	16	...	...	...	...	...	...
Elements of Architecture .....	...	...	...	...	...	...	414	3	12	...	...	...
Elements of Architecture .....	...	...	...	...	...	...	...	...	...	415	3	9
Elements of Architecture .....	...	...	...	420	8	18	...	...	...	...	...	...
Order Problems .....	...	...	...	422	5	0	422	5	15	422	5	2
Order Problems .....	...	...	...	423	5	0	423	5	1	423	5	12
History of Architecture .....	...	...	...	544	3	26	...	...	...	...	...	...
History of Architecture .....	...	...	...	...	...	...	545	3	23	...	...	...
History of Architecture .....	...	...	...	...	...	...	...	...	...	546	3	19
Plan Composition .....	...	...	...	...	...	...	604	2	13	...	...	...
Theory of Architecture .....	...	...	...	...	...	...	...	...	...	605	3	18
Architectural Design .....	...	...	...	624	5	7	624	5	2	624	5	1
Architectural Design .....	...	...	...	625	5	5	625	5	7	625	5	2
Architectural Design .....	...	...	...	627	5	5	627	5	3	627	5	9
Construction .....	...	...	...	...	...	...	630	5	4	...	...	...
Construction: Timber Framing.....	...	...	...	...	...	...	...	...	...	640	5	5
Materials of Construction.....	...	...	...	642	5	14	...	...	...	...	...	...
History of Architecture .....	...	...	...	647	3	11	...	...	...	...	...	...
History of Architecture .....	...	...	...	...	...	...	...	...	...	648	3	8
History of the Decorative Arts.....	...	...	...	...	...	...	649	3	11	...	...	...
Architecture: Special Studies in Architecture..	...	...	...	660	1-3	13	...	...	...	...	...	...
Architecture: Special Studies in Architecture..	...	...	...	...	...	...	661	1-3	13	...	...	...
Architecture: Special Studies in Architecture..	...	...	...	...	...	...	...	...	...	662	1-3	12
Professional Practice .....	...	...	...	...	...	...	...	...	...	715	5	12
Thesis .....	...	...	...	718	5	3	718	5	3	718	5	11
Advanced Architectural Design .....	...	...	...	727	8	11	727	8	2	727	8	3
Advanced Architectural Design .....	...	...	...	728	8	1	728	8	1	728	8	1
Advanced Architectural Design .....	...	...	...	730	8	1	730	8	1	730	8	1



Ornament .....	731	3	15	...	...	736	5	9
Construction .....	...	...	...	737	2	22	...	...
Building Sanitation .....	...	...	...	...	...	...	...	...
Construction : Design .....	742	5	16	...	...	...	...	...
Construction : Design .....	...	...	...	743	5	15	...	...
Fire Protection .....	...	...	...	748	2	15	...	...

#### ASTRONOMY

Elementary Astronomy .....	401	5	9	401	5	7	401	5	6
Elementary Astronomy .....	...	...	...	402	5	3	402	5	6
General Astronomy .....	...	...	...	411	5	0	...	...	...
General Astronomy .....	...	...	...	...	...	...	412	5	0
Physical Astronomy .....	...	...	...	...	...	...	420	5	2
Descriptive Astronomy .....	500	5	8	500	5	14	500	5	28
Advanced Astronomy .....	507	3 or 5	1	...	...	...	...	...	...
Introduction to Celestial Mechanics .....	...	...	...	605	5	2	...	...	...
Introduction to Celestial Mechanics .....	...	...	...	...	...	...	606	5	2
Stellar Astronomy .....	...	...	...	...	...	...	610	5	0
Astronomical Research at the Perkins Observatory .....	900	...	0	900	...	0	900	...	0

#### BACTERIOLOGY

Bacteriology .....	...	...	...	...	...	405	3	15	...	...	...	
General Bacteriology .....	...	...	...	431	4	59	...	...	...	...	...	
Pathogenic Bacteriology .....	...	...	...	...	...	432	4	44	...	...	...	
Serology for Veterinary Students .....	...	...	...	...	...	433	3	46	...	...	...	
Bacteriology .....	...	...	...	...	...	...	...	...	450	5	0	
General Bacteriology .....	607	5	73	607	5	139	607	5	29	607	5	57
Pathogenic Bacteria .....	608	3	44	...	...	...	608	3	70	...	...	...
Pathogenic Bacteria .....	609	3	33	...	...	...	609	3	40	...	...	...
Dairy Bacteriology .....	...	...	...	...	...	...	610	3	18	...	...	...
Dairy Bacteriology .....	...	...	...	...	...	...	611	3	12	...	...	...
Water Examination, Sewage Disposal, Water Filtration .....	...	...	...	...	...	...	614	3	18	...	...	...
Water Examination, Sewage Disposal, Water Filtration .....	...	...	...	...	...	...	615	3	1	...	...	...
Immunity and Serum Therapy .....	...	...	...	617	3	53	...	...	...	617	3	43
Immunity and Serum Therapy .....	...	...	...	618	3	17	...	...	...	618	3	35
Pathogenic Protozoa .....	...	...	...	...	...	...	...	...	...	619	3	36
Advanced Dairy Bacteriology .....	...	...	...	621	5	0	...	...	...	...	...	...
Advanced Dairy Bacteriology .....	...	...	...	...	...	...	622	5	2	...	...	...
Advanced Dairy Bacteriology .....	...	...	...	...	...	...	...	...	...	623	5	2
Special Technique in Pathogenic Bacteriology .....	...	...	...	625	5	22	...	...	...	...	...	...
Special Technique in Pathogenic Bacteriology .....	...	...	...	...	...	...	626	5	18	...	...	...
Special Problems in Pathogenic Bacteriology .....	...	...	...	...	...	...	...	...	...	627	5	27
Advanced Soil Bacteriology .....	...	...	...	628	5	0	...	...	...	...	...	...
Advanced Soil Bacteriology .....	...	...	...	...	...	...	629	5	0	...	...	...
Medical Bacteriology .....	...	...	...	641	5	68	...	...	...	...	...	...
Medical Bacteriology .....	...	...	...	...	...	...	642	3	68	...	...	...
Applied Veterinary Bacteriology .....	...	...	...	643	2	36	...	...	...	...	...	...
Applied Veterinary Bacteriology .....	...	...	...	...	...	...	644	2	34	...	...	...
Applied Veterinary Bacteriology .....	...	...	...	...	...	...	...	...	...	645	2	36
Bacteriology .....	...	...	...	...	...	...	650	5	57	...	...	...

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Bacteriology .....	...	...	...	...	...	...	...	...	...	651	5	58
Minor Investigations .....	701	3-5	3	701	3-5	9	701	3-5	9	701	3-5	14
Research Work in Pathogenic Bacteriology .....	801	5-10	11	801	5-10	9	801	5-10	1	...	...	...
Research Work in Pathogenic Bacteriology .....	...	...	...	...	...	...	801	5-10	12	...	...	...
Research Work in Pathogenic Bacteriology .....	...	...	...	...	...	...	...	...	...	803	5-10	11
Research Work in Agricultural or in Technical Bacteriology .....	...	...	...	804	5-10	0	...	...	...	...	...	...
Research Work in Agricultural or in Technical Bacteriology .....	...	...	...	...	...	...	805	5-10	0	...	...	...
Research Work in Agricultural or in Technical Bacteriology .....	...	...	...	...	...	...	...	...	...	806	5-10	0
BIBLIOGRAPHY												
The Use of Books and of Libraries .....	402	2	11	402	2	17	402	2	20	...	...	...
The Library and the School .....	...	...	...	501	2	0	...	...	...	...	...	...
The Library and the School .....	...	...	...	...	...	...	502	2	0	...	...	...
History of Book-Making .....	...	...	...	601	2	8	...	...	...	...	...	...
History of Book-Making .....	...	...	...	...	...	...	602	2	9	...	...	...
BOTANY												
General Botany .....	401	5	87	401	5	513	401	5	233	401	5	130
General Botany .....	402	5	86	402	5	104	402	5	430	402	5	205
Local Flora .....	...	...	...	...	...	...	...	...	...	405	5	0
Local Flora .....	406	5	10	...	...	...	...	...	...	406	5	53
General Plant Pathology .....	...	...	...	419	5	14	...	...	...	419	5	29
Plant Ecology .....	...	...	...	601	5	20	...	...	...	...	...	...
Plant Ecology .....	...	...	...	...	...	...	...	...	...	602	5	15
Plant Physiology .....	605	5	11	605	5	51	605	5	24	...	...	...
Plant Physiology .....	606	5	7	...	...	...	606	5	46	606	5	19
Principles of Taxonomy: Pteridophytes and Gymnosperms .....	...	...	...	607	5	2	...	...	...	...	...	...
Principles of Taxonomy: Monocotyls .....	...	...	...	...	...	...	608	5	2	...	...	...
Principles of Taxonomy: Dicotyls .....	...	...	...	...	...	...	...	...	...	609	5	3
Evolution of Plants .....	...	...	...	...	...	...	...	...	...	611	5	4
General Morphology of Thallophytes and Bryophytes .....	613	5	7	613	5	13	...	...	...	...	...	...
General Morphology of the Pteridophytes and Spermatophytes .....	...	...	...	...	...	...	614	5	9	...	...	...
Plant Microtechnic .....	...	...	...	...	...	...	615	5	11	...	...	...
Plant Microchemistry .....	...	...	...	617	5	12	...	...	...	...	...	...



Economic Botany	619	5	5	620	5	7	632	3	0
Economic Botany	632	3	7	633	3	11	634	3	14
Physiological Methods	634	3	8	635	5	6	640	5	11
Physiological Methods	634	3	8	635	5	6	651	3	6
Plant Growth	634	3	8	635	5	6	651	3	6
Plant Genetics	634	3	8	635	5	6	651	3	6
Plant Anatomy	634	3	8	635	5	6	651	3	6
Experimental Plant Pathology	634	3	8	635	5	6	651	3	6
Mycology	634	3	8	635	5	6	651	3	6
Diseases of Fruit Crops	634	3	8	635	5	6	651	3	6
Diseases of Garden Crops	634	3	8	635	5	6	651	3	6
Freshwater Algae	634	3	8	635	5	6	651	3	6
Freshwater Algae	634	3	8	635	5	6	651	3	6
Special Problems: Taxonomy, Morphology,	634	3	8	635	5	6	651	3	6
Cytology and Anatomy	701	2-5	12	701	2-5	3	701	2-5	9
Special Problems: Physiology and Ecology	703	2-5	10	703	2-5	2	703	2-5	0
Special Problems: Pathology and Mycology	703	2-5	10	703	2-5	2	703	2-5	0
Research in Taxonomy and Morphology	801	3-10	4	801	3-10	4	801	3-10	4
Research in Physiology and Ecology	803	4-10	10	803	4-10	11	803	4-10	3
Research in Mycology and Plant Pathology	803	4-10	10	803	4-10	11	803	4-10	3
Research in Genetics	804	4-10	1	804	4-10	1	804	4-10	1
Research in Economic Botany	805	4-10	0	805	4-10	0	805	4-10	0
Botanical Seminary	806	4-10	0	806	4-10	0	806	4-10	0
Seminary in the History of Botany	810	1	15	810	1	13	810	1	10
	812	1	4	812	1	4	812	1	4
BUSINESS ORGANIZATION									
Introduction to Business	401	5	175	401	5	107	401	5	166
Business Communications and Adjustment	401	5	175	401	5	107	401	5	166
Practice	604	3	25	604	3	63	604	3	70
Business Statistics	604	3	25	604	3	63	604	3	70
Business Statistics	604	3	25	604	3	63	604	3	70
Public Aspects of Industry	620	1	225	620	1	225	620	1	225
Business Law: Contracts	621	3	45	621	3	116	621	3	82
Business Law for Engineers and Architects	621	3	45	621	3	116	621	3	82
Business Law: Agency and Sales	622	3	43	622	3	43	622	3	21
Business Law: Negotiable Instruments	623	3	70	623	3	67	623	3	86
Business Law: Partnerships and Corporations	625	3	43	625	3	52	625	3	75
Business Law: Legal Aspects of Credits and	625	3	43	625	3	52	625	3	75
Collections	627	3	31	627	3	16	627	3	16
Corporate Organization and Control	640	3	40	640	3	50	640	3	39
Real Estate Principles and Finance	640	3	40	640	3	50	640	3	39
Real Estate Principles and Finance	642	3	12	642	3	12	642	3	16
Real Estate Problems	643	3	6	643	3	6	643	3	6
Trade Associations	644	1-3	0	644	1-3	1	644	1-3	5
Corporation Finance	645	3	10	645	3	10	645	3	10
Industrial Finance	650	5	25	650	5	91	650	5	88
Industrial Consolidations and Mergers	650	5	25	650	5	91	650	5	88
Railroad and Public Utility Finance	652	3	55	652	3	55	652	3	55
Investment Analysis	653	3	8	653	3	8	653	3	8
Principles of Investment	656	3	15	656	3	15	656	3	15
Investment Banking	657	3	15	657	3	15	657	3	15
The Stock Market	659	3	15	659	3	15	659	3	15
The Money Market	660	3	24	660	3	26	660	3	15
	662	3	19	662	3	19	662	3	19





Special Problems in Commercial Transportation and Public Utility Administration.....	...	...	...	...	...	...	...	...	754	1-5	12	
Personal Insurance .....	...	...	...	...	...	760	3	22	764	3	12	
Property Insurance .....	...	...	...	...	...	...	...	...	...	...	...	
Practice Work in Insurance.....	...	...	767	1-3	0	...	...	...	...	...	...	
Practice Work in Insurance.....	...	...	...	...	...	768	1-3	0	...	...	...	
Practice Work in Insurance.....	...	...	...	...	...	...	...	...	769	1-3	0	
Research in Corporation Organization and Finance .....	801	1-6	2	801	1-6	5	801	1-6	4	801	1-6	3
Corporation Finance for Graduate Students..	804	3	18	...	...	...	804	3	21	804	3	18
Research in Insurance .....	...	...	...	814	1-6	3	814	1-6	0	814	1-6	1
Marketing for Graduate Students .....	816	3	19	816	3	7	816	3	16	...	...	...
Research in Marketing, Including Advertising and Sales .....	817	1-6	7	817	1-6	7	817	1-6	5	817	1-6	6
Problems of Banking and of Stock Prices....	...	...	...	...	...	...	...	...	...	820	1-3	0
Research in Banking .....	823	1-6	2	823	1-6	4	823	1-6	1	823	1-6	1
Stock Market for Graduate Students .....	...	...	...	827	3	9	...	...	...	...	...	...
Graduate Seminary in Business Organization for Beginning Graduate Students .....	...	...	...	831	2	14	831	2	16	831	2	0
Graduate Seminary in Business Organization for Advanced Graduate Students.....	832	2	4	832	2	14	832	2	14	832	2	2
Graduate Course in Industrial Management...	833	3	4	833	3	4	...	...	...	...	...	...
Applications of Economic Theory in Industrial Organization and Management.....	...	...	...	...	...	...	...	...	...	834	3	12
Research in Industrial Management.....	835	1-6	1	835	1-6	4	835	1-6	2	835	1-6	1
Research in Transportation and Public Utilities .....	846	1-6	1	846	1-6	3	846	1-6	1	846	1-6	1
CERAMIC ENGINEERING												
Occurrence and Properties of Clays.....	...	...	...	...	...	...	401	4	17	...	...	...
Winning, Preparation and Forming.....	...	...	...	...	...	...	...	...	...	405	4	12
Ceramic Laboratory .....	...	...	450	1	17	...	...	...	...	...	...	...
Theory of Drying .....	...	...	600	3	18	...	...	...	...	...	...	...
Driers, Kilns and Theory of Firing.....	...	...	...	...	...	...	601	5	15	...	...	...
Elements of Ceramic Plant Engineering.....	...	...	...	...	...	...	603	5	17	...	...	...
Bodies, Glazes and Colors.....	...	...	...	...	...	...	...	...	...	605	4	18
Refractories and Their Uses.....	...	...	...	...	...	...	...	...	...	610	5	11
Ceramic Calculations .....	...	...	615	5	17	...	...	...	...	...	...	...
Physical and Chemical Measurement of Clays and Other Ceramic Materials .....	...	...	...	...	...	...	620	5	18	...	...	...
Adv. Physical and Chemical Measurements of Clay and Other Ceramic Materials.....	...	...	...	...	...	...	...	...	...	621	3	0
Junior Inspection Trip .....	...	...	...	...	...	...	...	...	...	630	...	13
Laboratory in Stoneware, Saggers and Terra Cotta .....	...	...	701	3	10	...	...	...	...	...	...	...
Laboratory in Whitewares.....	...	...	...	...	...	...	702	5	20	...	...	...
Laboratory in Ceramic Colors.....	...	...	...	...	...	...	...	...	...	703	5	16
Laboratory in Metal Enamels.....	...	...	704	5	18	...	...	...	...	...	...	...
Ceramic Designing .....	...	...	705	5	23	...	...	...	...	...	...	...
Ceramic Designing .....	...	...	...	...	...	...	706	5	23	...	...	...
Ceramic Designing .....	...	...	...	...	...	...	...	...	...	707	5	23
Technology of Glass.....	...	...	708	3	24	...	...	...	...	...	...	...
Thesis .....	...	...	710	3	0	...	710	3	14	710	3	2

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	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Thesis .....	...	...	...	711	3	1	711	3	1	711	3	16
Laboratory in Refractories .....	...	...	...	...	...	...	...	...	...	721	5	6
Laboratory in Heavy Clay Wares .....	...	...	...	...	...	...	722	5	0	...	...	...
Senior Inspection Trip .....	...	...	...	...	...	...	...	...	...	730	...	19
Special Problems .....	...	...	...	750	2-7	4	750	2-7	2	750	2-7	1
Research Work .....	...	...	...	801	1-15	11	...	...	...	...	...	...
Research Work .....	...	...	...	...	...	...	802	1-15	11	...	...	...
Research Work .....	...	...	...	803	1-15	1	...	...	...	803	1-15	9
Porcelain for Electrical and Other Special Purposes .....	...	...	...	810	2	5	...	...	...	...	...	...
Porcelain for Electrical and Other Special Purposes .....	...	...	...	...	...	...	811	2	2	...	...	...
Porcelain for Electrical and Other Special Purposes .....	...	...	...	...	...	...	...	...	...	812	2	4
Advanced Experimental Work .....	...	...	...	815	1-15	1	...	...	...	...	...	...
Advanced Experimental Work .....	...	...	...	...	...	...	816	1-15	2	...	...	...
Advanced Experimental Work .....	...	...	...	...	...	...	...	...	...	817	1-15	2
CHEMICAL ENGINEERING												
Chemical Engineering Practice Work .....	...	...	...	501	5	21	...	...	...	501	5	32
Elements of Chemical Engineering .....	...	...	...	...	...	...	700	2	59	...	...	...
Industrial Chemistry .....	701	3	12	701	3	42	...	...	...	...	...	...
Industrial Chemistry .....	...	...	...	...	...	...	702	3	37	...	...	...
Inspection Trip to the East .....	...	...	...	...	...	...	...	...	...	703	...	62
Written Reports .....	...	...	...	...	...	...	...	...	...	705	Incl. in	703
Chemical Engineering and Industrial Chemistry Laboratory .....	706	2-5	11	706	2-5	37	...	...	...	...	...	...
Engineering Chemistry and Chemical Engineering Laboratory .....	...	...	...	...	...	...	707	3	38	...	...	...
Applied Electrochemistry .....	...	...	...	...	...	...	...	...	...	710	3	6
Advanced Chemical Engineering Machinery Laboratory .....	...	...	...	712	2-6	5	...	...	...	...	...	...
Advanced Chemical Engineering Machinery Laboratory .....	...	...	...	...	...	...	713	2-6	7	...	...	...
Advanced Chemical Engineering Machinery Laboratory .....	...	...	...	...	...	...	...	...	...	714	2-6	18
Chemical Engineering Thesis .....	...	...	...	720	2	1	720	2	25	720	2	4
Chemical Engineering Thesis .....	...	...	...	721	5-6	1	721	5-6	1	721	5-6	22



Introductory Problems in Chemical Engineering .....	801	2-5	1	801	2-5	0	801	2-5	0	801	2-5	1
Advanced Industrial Chemistry and Chemical Engineering .....	900	2-5	3	900	2-5	0	...	...	...	...	...	...
Advanced Industrial Chemistry and Chemical Engineering .....	...	...	...	...	...	...	901	2-5	0	...	...	...
Advanced Industrial Chemistry and Chemical Engineering .....	...	...	...	...	...	...	...	...	...	902	2-5	0
Seminary in Industrial Chemistry and Chemical Engineering .....	905	2	16	905	2	21	...	...	...	...	...	...
Seminary in Industrial Chemistry and Chemical Engineering .....	...	...	...	...	...	...	906	2	23	...	...	...
Seminary in Industrial Chemistry and Chemical Engineering .....	...	...	...	...	...	...	...	...	...	907	2	20
Industrial Chemistry and Chemical Engineering Research .....	950	...	16	950	...	18	950	...	23	950	...	19
CHEMISTRY												
Elementary Chemistry .....	401	5	59	401	5	455	401	5	64	...	...	...
Elementary Chemistry .....	402	5	23	...	...	...	402	5	377	402	5	55
Qualitative Analysis .....	403	5	12	...	...	...	...	...	...	403	5	214
General Chemistry .....	411	5	36	411	5	786	411	5	85	...	...	...
General Chemistry .....	412	5	32	...	...	...	412	5	661	412	5	102
Qualitative Analysis .....	413	5	33	...	...	...	...	...	...	413	5	515
Laboratory Technique .....	...	...	...	...	...	...	415	3	22	...	...	...
Quantitative Analysis .....	...	...	...	421	4	175	...	...	...	...	...	...
Quantitative Analysis .....	...	...	...	...	...	...	422	4	158	...	...	...
Quantitative Analysis .....	423	4	7	...	...	...	...	...	...	423	4	108
Problems in Quantitative Analysis .....	...	...	...	...	...	...	...	...	...	424	1	82
Organic Chemistry .....	451	5	38	451	5	206	...	...	...	...	...	...
Organic Chemistry .....	452	5	31	...	...	...	452	5	197	...	...	...
Quantitative Analysis .....	561	5	8	...	...	...	...	...	...	561	5	55
Organic Chemistry .....	...	...	...	...	...	...	...	...	...	562	5	0
Physical Chemistry .....	...	...	...	...	...	...	...	...	...	563	5	98
Advanced Quantitative Analysis .....	621	4-5	7	621	4-5	5	...	...	...	...	...	...
General Quantitative Analysis .....	...	...	...	...	...	...	622	3	26	...	...	...
Gas Analysis .....	...	...	...	...	...	...	623	4-5	0	...	...	...
Advanced Qualitative Analysis .....	...	...	...	...	...	...	...	...	...	624	4-5	0
Water Analysis .....	...	...	...	...	...	...	...	...	...	625	5	9
Industrial Water Problems .....	...	...	...	...	...	...	627	3	6	...	...	...
Qualitative Organic Analysis .....	...	...	...	...	...	...	...	...	...	641	3	41
Quantitative Organic Analysis .....	...	...	...	...	...	...	...	...	...	642	3	21
Organic Chemistry .....	647	3	31	647	3	106	...	...	...	...	...	...
Organic Chemistry .....	648	3	24	...	...	...	648	3	88	...	...	...
Organic Chemistry—Laboratory .....	649	3	22	649	3	95	...	...	...	...	...	...
Organic Chemistry—Laboratory .....	650	3	16	...	...	...	650	3	46	...	...	...
Advanced Inorganic Chemistry .....	661	3	36	661	3	87	...	...	...	...	...	...
Advanced Inorganic Chemistry .....	...	...	...	...	...	...	662	3	84	...	...	...
The Rare Elements .....	...	...	...	...	...	...	...	...	...	663	3	36
Inorganic Preparations .....	672	3	14	...	...	...	...	...	...	672	3	15
The Phase Rule .....	...	...	...	...	...	...	675	3	0	...	...	...
Physical Chemistry .....	...	...	...	680	3	15	...	...	...	...	...	...
Physical Chemistry .....	681	3	19	681	3	102	...	...	...	...	...	...

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Physical Chemistry .....	682	3	109	682	3	109	682	3	109	683	3	92
Physical Chemistry .....	683	3	92	683	3	92	683	3	92	683	3	92
Physical Chemistry—Laboratory .....	691	2	4	691	2	4	691	2	4	692	2	26
Physical Chemistry—Laboratory .....	692	2	32	692	2	32	692	2	32	692	2	26
Physical Chemistry—Laboratory .....	693	2	4	693	2	4	693	2	4	693	2	26
Colloid Chemistry .....	695	3	26	695	3	26	695	3	26	695	3	26
Theoretical Electrochemistry .....	696	3	21	696	3	21	696	3	21	696	3	21
Electrochemistry—Laboratory .....	697	2	9	697	2	9	697	2	9	697	2	9
Colloid Chemistry—Laboratory .....	698	2	6	698	2	6	698	2	6	698	2	6
Minor Problems in Chemistry .....	699	3-15	3	699	3-15	4	699	3-15	4	699	3-15	8
Chemical Bibliography .....	782	1	39	782	1	39	782	1	39	782	1	39
Chemical Biography .....	783	1	36	783	1	36	783	1	36	783	1	36
Seminary in Analytical Chemistry .....	822	3	3	822	3	3	822	3	3	822	3	3
Seminary in Analytical Chemistry .....	823	2	9	823	2	9	823	2	9	823	2	9
Historical Chemistry .....	830	3	22	830	3	22	830	3	22	830	3	22
Advanced Organic Chemistry .....	841	3	45	841	3	45	841	3	45	841	3	45
Advanced Organic Chemistry .....	842	3	39	842	3	39	842	3	39	842	3	39
Advanced Organic Preparations—Laboratory .....	844	3	9	844	3	19	844	3	19	844	3	19
Advanced Organic Preparations—Laboratory .....	845	3	3	845	3	11	845	3	11	845	3	11
Seminary in Organic Chemistry .....	850	3	15	850	3	15	850	3	15	850	3	15
Seminary in Organic Chemistry .....	851	3	14	851	3	14	851	3	14	851	3	14
Seminary in Organic Chemistry .....	852	3	29	852	3	29	852	3	29	852	3	29
Seminary in Organic Chemistry .....	854	3	22	854	3	22	854	3	22	854	3	22
Physical Chemistry—Laboratory .....	861	2-3	3	861	2-3	3	861	2-3	3	861	2-3	3
Atomic Structure .....	865	3	7	865	3	7	865	3	7	865	3	7
Seminary in Inorganic Chemistry .....	866	3	6	866	3	6	866	3	6	866	3	6
Seminary in Inorganic Chemistry .....	867	2	8	867	2	8	867	2	8	867	2	8
Lectures in Advanced Physical Chemistry .....	887	3	19	887	3	19	887	3	19	887	3	19
Lectures in Advanced Physical Chemistry .....	888	3	18	888	3	18	888	3	18	888	3	18
Seminary in Colloid Chemistry .....	891	3	3	891	3	3	891	3	3	891	3	3
Introductory Course on Quantum Mechanics with Special Application to Fundamental Problems in Chemistry .....	892	3	8	892	3	16	892	3	16	892	3	16
Chemical Research .....	950	...	38	950	...	67	950	...	65	960	...	53
CIVIL ENGINEERING												
Land Surveying .....	401	5	64	401	5	13	401	5	13	402	5	12
Plane Surveying .....	402	5	4	402	5	4	402	5	4	403	5	44
Railroad Surveying .....	403	5	4	403	5	4	403	5	4	403	5	44





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Historical Greek and Latin Grammar.....	...	...	720	3	See Latin	721	3	3	...	...	...
Historical Greek and Latin Grammar.....	...	...	...	...	...	...	...	...	722	3	3
Historical Greek and Latin Grammar.....	...	...	...	...	...	...	...	...	...	...	...
COMMERCE EXTENSION											
Elements of Accounting.....	401-A	...	...	2	119	...	...	95	...	...	...
Elements of Accounting.....	401-B	...	...	...	...	...	2	...	...	...	...
Elements of Accounting.....	401-C	...	...	...	...	...	...	...	...	2	70
Advanced Principles of Accounting.....	601-A	...	...	2	60	...	...	...	...	...	...
Advanced Principles of Accounting.....	601-B	...	...	...	...	...	2	43	...	...	...
Advanced Principles of Accounting.....	601-C	...	...	...	...	...	...	...	...	2	36
Cost Accounting.....	603-A	...	...	2	52	...	...	...	...	...	...
Cost Accounting.....	603-B	...	...	...	...	...	2	32	...	...	...
Problems in Cost Accounting.....	605-A	...	...	...	...	...	...	...	...	2	19
Auditing.....	607-A	...	...	...	...	...	2	29	...	...	...
Auditing.....	607-B	...	...	...	...	...	...	...	...	2	21
Income Tax Accounting.....	611-A	...	...	2	50	...	...	...	...	...	...
COMMERCE EXTENSION											
BUSINESS ORGANIZATION											
Business Law: Contracts.....	621-A	...	...	2	66	...	...	...	...	2	16
Business Law: Agency and Sales.....	623-A	...	...	...	...	...	2	43	...	...	...
Business Law: Negotiable Instruments.....	625-A	...	...	...	...	...	...	...	...	2	48
Business Law: Legal Aspects of Credits and Collections.....	629-A	...	...	...	...	...	2	64	...	...	...
Business Law: Partnerships and Corporations.....	627-A	...	...	2	83	...	...	...	...	...	...
Corporation Organization and Control.....	640-A	...	...	2	26	...	...	...	...	...	...
Corporation Finance.....	650-A	...	...	...	...	...	2	22	...	2	15
Bank Organization and Management.....	670-A	...	...	...	...	...	2	7	...	...	...
Bank Organization and Management.....	670-B	...	...	...	...	...	...	...	...	2	6
Marketing Problems and Market Analysis.....	702-A	...	...	...	...	...	...	...	...	2	34
Salesmanship and Sales Management.....	712-A	...	...	2	111	...	...	...	...	...	...
Salesmanship and Sales Management.....	712-B	...	...	...	...	...	2	51	...	...	...
COMMERCE EXTENSION—ECONOMICS											
Principles of Economics.....	401-A	...	...	2	177	...	...	...	...	...	...
Principles of Economics.....	401-B	...	...	...	...	...	2	113	...	...	...
Principles of Economics.....	401-C	...	...	...	...	...	...	...	...	2	78
Money and Banking.....	520-A	...	...	2	15	...	...	...	...	...	...
International Finance.....	634-A	...	...	2	18	...	...	...	...	...	...
International Finance.....	634-B	...	...	...	...	...	2	12	...	...	...
DAIRY TECHNOLOGY											
Principles of Dairy Technology.....	...	...	401	5	31	401	5	24	401	5	19
Farm Dairy Technology.....	...	...	...	...	...	402	3	6	...	...	...
Testing of Milk Products.....	...	...	403	5	8	403	5	6	403	5	9
Butter Industry.....	...	...	405	5	8	405	5	6	405	5	6
Dairy Practice.....	...	...	...	...	...	406	3-10	1	406	3-10	1
Soft Cheese Manufacturing.....	...	...	...	...	...	407	3	8	407	3	9
Dairy Engineering.....	...	...	411	3	7	...	...	...	...	...	...
City Milk Inspection.....	...	...	...	...	...	...	...	...	412	3	38
Management of Dairy Plants.....	...	...	...	...	...	605	3	9	...	...	...

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Market Milk .....	...	...	...	607	5	5	...	...	...	...	...	...
Hard Cheese Manufacturing .....	...	...	...	...	...	...	608	5	8	...	...	...
Condensed Milk and Milk Powders.....	...	...	...	609	3	9	...	...	...	...	...	...
Ice Cream Manufacturing .....	...	...	...	610	5	9	...	...	...	...	...	...
Dairy Products Judging .....	...	...	...	615	3	3	...	...	...	615	3	10
Special Problems .....	...	...	...	701	3-15	0	701	3-15	3	701	3-15	1
Advanced Dairy Technology.....	...	...	...	801	5-10	2	801	5-15	0	801	5-10	1
DENTISTRY—OPERATIVE												
Dental Anatomy .....	...	...	...	601	2	49	...	...	...	...	...	...
Dental Anatomy .....	...	...	...	...	...	...	602	3	44	...	...	...
Dental Anatomy and Operative Technic.....	...	...	...	...	...	...	...	...	...	603	2	43
Operative Technic .....	...	...	...	605	3	58	...	...	...	...	...	...
Operative Technic .....	...	...	...	...	...	...	606	3	59	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	609	2	39	...	...	...	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	...	...	...	610	4	38	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	...	...	...	...	...	...	611	3	36
Principles and Practice of Operative Dentistry	...	...	...	613	3	45	...	...	...	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	...	...	...	614	4	44	...	...	...
Principles and Practice of Operative Dentistry	...	...	...	...	...	...	...	...	...	615	4	44
Dental Hygiene: Immunology .....	...	...	...	...	...	...	...	...	...	616	1	57
Oral Hygiene: Immunology .....	...	...	...	617	3	40	...	...	...	...	...	...
Oral Hygiene: Immunology .....	...	...	...	...	...	...	618	3	39	...	...	...
Porcelain Technic .....	...	...	...	...	...	...	...	...	...	619	1	37
Special Dental Histology.....	...	...	...	620	3	43	...	...	...	...	...	...
Dental Medicine: Pharmacology.....	...	...	...	621	1	39	...	...	...	...	...	...
Dental Medicine: Pharmacology.....	...	...	...	...	...	...	622	1	40	...	...	...
Dental Medicine .....	...	...	...	...	...	...	...	...	...	623	2	38
Dental Medicine .....	...	...	...	625	2	44	...	...	...	...	...	...
Dental Medicine .....	...	...	...	...	...	...	626	2	44	...	...	...
Dental Medicine .....	...	...	...	...	...	...	...	...	...	627	2	44
Principles and Practice of Exodontia and X-ray .....	...	...	...	628	2	39	...	...	...	...	...	...
Principles and Practice of Exodontia and X-ray .....	...	...	...	...	...	...	629	2	38	...	...	...
Principles and Practice of Exodontia and X-ray .....	...	...	...	...	...	...	...	...	...	630	2	38
Orthodontia Principles and Technic.....	...	...	...	...	...	...	...	...	...	631	2	38
Orthodontia Principles and Practice.....	...	...	...	633	2	45	...	...	...	...	...	...
Orthodontia Principles and Practice.....	...	...	...	...	...	...	634	2	45	...	...	...



Orthodontia Principles and Practice.....	635	2	45	...	...	...	...	...	...
Anesthetics Principles and Practice.....	637	2	45	...	...	...	...	...	...
Anesthetics .....	...	...	...	638	2	45	...	...	...
Anesthetics .....	...	...	...	...	...	...	639	2	45
Ethics, Economics, History and Jurisprudence .....	641	1	44	...	...	...	...	...	...
Ethics, Economics, History and Jurisprudence .....	...	...	...	642	1	44	...	...	...
Ethics, Economics, History and Jurisprudence .....	...	...	...	...	...	...	643	1	44
Oral Surgery .....	645	2	44	...	...	...	...	...	...
Oral Surgery .....	...	...	...	646	2	44	...	...	...
Oral Surgery .....	...	...	...	...	...	...	647	2	44
Minor Problems in Operative Dentistry .....	701	1-3	0	...	...	...	...	...	...
Minor Problems in Operative Dentistry .....	...	...	...	702	1-3	0	...	...	...
Minor Problems in Operative Dentistry .....	...	...	...	...	...	...	703	1-3	0
Research in Operative Dentistry .....	801	...	0	...	...	...	...	...	...
Research in Operative Dentistry .....	...	...	...	802	...	0	...	...	...
Research in Operative Dentistry .....	...	...	...	...	...	...	803	...	0

## DENTISTRY—PROSTHESIS

Prosthetic Dentistry Technic.....	601	4	49	...	...	...	...	...	...
Prosthetic Dentistry Technic.....	...	...	...	602	3	44	...	...	...
Prosthetic Dentistry Technic.....	...	...	...	...	...	...	603	5	43
Prosthetic Dentistry Technic.....	605	4	58	...	...	...	...	...	...
Prosthetic Dentistry Technic.....	...	...	...	606	2	60	...	...	...
Prosthetic Dentistry Technic.....	...	...	...	...	...	...	607	4	62
Prosthetic Dentistry Principles and Practice..	609	2	41	...	...	...	...	...	...
Prosthetic Dentistry Principles and Practice..	...	...	...	610	3	38	...	...	...
Prosthetic Dentistry Principles and Practice..	...	...	...	...	...	...	611	4	38
Prosthetic Dentistry Practice .....	613	2	45	...	...	...	...	...	...
Prosthetic Dentistry Practice .....	...	...	...	614	2	45	...	...	...
Prosthetic Dentistry Practice .....	...	...	...	...	...	...	615	2	44
Dental Metallurgy .....	...	...	...	...	...	...	619	2	55
Crown and Bridge Technic.....	621	4	58	...	...	...	...	...	...
Crown and Bridge Technic.....	...	...	...	622	2	58	...	...	...
Crown and Bridge Technic.....	...	...	...	...	...	...	623	4	58
Crown and Bridge Technic.....	625	2	43	...	...	...	...	...	...
Crown and Bridge Technic.....	...	...	...	626	2	40	...	...	...
Crown and Bridge Technic.....	...	...	...	...	...	...	627	2	40
Crown and Bridge Practice.....	629	2	44	...	...	...	...	...	...
Crown and Bridge Practice.....	...	...	...	630	2	45	...	...	...
Crown and Bridge Practice.....	...	...	...	...	...	...	631	2	44
Minor Problems in Prosthesis.....	704	1-3	0	...	...	...	...	...	...
Minor Problems in Prosthesis.....	...	...	...	705	1-3	0	...	...	...
Minor Problems in Prosthesis.....	...	...	...	...	...	...	706	1-3	0
Research in Prosthesis.....	804	...	0	...	...	...	...	...	...
Research in Prosthesis.....	...	...	...	805	...	0	...	...	...
Research in Prosthesis.....	...	...	...	...	...	...	806	...	0

## ECONOMICS

Industrial History .....	400	5	106	400	5	201	400	5	141	400	5	127
Principles of Economics .....	401	5	106	401	5	348	401	5	330	401	5	184
Principles of Economics .....	402	5	55	402	5	141	402	5	286	401	5	284
Principles of Economics for Engineers.....	...	...	...	403	3	100	403	3	26	...	...	...

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
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Principles of Economics for Engineers.....	...	...	...	...	...	...	404	3	71	404	3	23
Principles of Economics for Agricultural Students .....	...	...	...	405	5	26	405	5	37	...	...	...
Principles of Economics for Students in Home Economics .....	...	...	...	407	5	38	407	5	11	407	5	19
American Economic History .....	...	...	...	...	...	...	...	...	...	508	5	21
Outlines of Public Finance.....	509	3	17	509	5	32	509	5	29	509	5	36
Introduction to the Study of Labor Problems .....	...	...	...	510	3	31	510	3	33	510	3	40
Money and Banking .....	520	5	26	520	5	109	520	5	85	520	5	110
Elementary Economic Statistics.....	522	3	18	522	3	101	522	3	74	522	3	71
Principles and Problems of Economics.....	601	3	9	601	3	45	...	...	...	...	...	...
Principles and Problems of Economics.....	...	...	...	...	...	...	602	3	34	...	...	...
Principles and Problems of Economics.....	...	...	...	607	3	6	...	...	...	603	3	21
Financial History of the United States.....	...	...	...	...	...	...	608	3	7	...	...	...
Financial History of the United States .....	...	...	...	616	5	13	...	...	...	...	...	...
Corporation Economics .....	618	5	21	618	5	51	618	5	57	618	5	51
Transportation Economics .....	...	...	...	624	3	30	...	...	...	...	...	...
Principles of Insurance .....	625	2	33	625	2	10	...	...	...	...	...	...
Business Cycles .....	...	...	...	...	...	...	626	2	5	...	...	...
Business Forecasting .....	...	...	...	631	3	55	...	...	...	...	...	...
Public Finance .....	...	...	...	...	...	...	632	3	49	...	...	...
Public Finance .....	...	...	...	...	...	...	...	...	...	633	3	21
Public Finance .....	634	3	12	634	3	10	...	...	...	...	...	...
International Finance .....	...	...	...	...	...	...	635	3	13	...	...	...
Industrial Development of Modern Europe.....	...	...	...	636	5	5	...	...	...	...	...	...
Industrial Relations .....	...	...	...	637	5	33	...	...	...	...	...	...
Labor Legislation .....	...	...	...	...	...	...	638	3	17	...	...	...
Social Insurance .....	...	...	...	...	...	...	...	...	...	639	3	25
Women in Industry .....	...	...	...	...	...	...	...	...	...	643	4	5
The Standard of Living.....	...	...	...	...	...	...	...	...	...	644	3	48
Principles of Economic Consumption.....	...	...	...	...	...	...	645	3	10	...	...	...
Public Utility Economics .....	...	...	...	648	5	21	...	...	...	...	...	...
International Commercial Policies.....	651	3	12	...	...	...	...	...	...	651	3	34
The Distribution of Wealth and Income.....	656	3	23	...	...	...	...	...	...	...	...	...
Socialism .....	...	...	...	656	3	13	...	...	...	...	...	...
Population .....	...	...	...	658	2	14	...	...	...	657	3	33
Population .....	...	...	...	...	...	...	659	2	5	...	...	...
Population .....	...	...	...	...	...	...	...	...	...	660	2	5
Reading Course .....	...	...	...	700	3-5	2	...	...	...	...	...	...



Reading Course .....	702	3-5	1	...	...	...	701	3-5	4	...	702	3-5	0
Reading Course .....	...	...	...	...	...	...	...	...	...	...	...	...	...
History of Economic Thought .....	802	3	15	...	801	3	20	...	...	...	...	...	...
History of Economic Thought .....	803	3	12	...	...	...	...	802	3	17	...	...	...
History of Economic Thought .....	...	...	...	...	...	...	...	...	...	...	803	3	13
Economic History of the United States .....	...	...	...	...	804	3	8	...	...	...	...	...	...
Economic History of the United States .....	...	...	...	...	...	...	...	805	3	6	...	...	...
Economic History of the United States .....	...	...	...	...	...	...	...	...	...	...	806	3	4
Statistical Analysis .....	...	...	...	...	807	2	25	...	...	...	...	...	...
Statistical Analysis .....	...	...	...	...	...	...	...	808	2	14	...	...	...
Statistical Analysis .....	...	...	...	...	...	...	...	...	...	...	809	2	11
The Economic History of Western Europe .....	...	...	...	...	812	2	9	...	...	...	...	...	...
The Economic History of Western Europe .....	...	...	...	...	...	...	...	813	2	7	...	...	...
The Economic History of Western Europe .....	...	...	...	...	...	...	...	...	...	...	814	2	8
Costs and Returns .....	...	...	...	...	...	...	...	...	...	...	815	3	4
Modern Economic Theories .....	...	...	...	...	816	3	17	...	...	...	...	...	...
Modern Economic Theories .....	...	...	...	...	...	...	...	817	3	14	...	...	...
Modern Economic Theories .....	...	...	...	...	...	...	...	...	...	...	818	3	13
French and German Economics .....	...	...	...	...	819	2	4	...	...	...	...	...	...
French and German Economics .....	820	2	4	...	...	...	...	820	2	0	821	2	0
Current Taxation Problems .....	825	2	28	...	...	...	...	...	...	...	...	...	...
Advanced Money .....	...	...	...	...	863	3	11	...	...	...	...	...	...
Advanced Banking .....	864	3	13	...	...	...	...	864	3	13	...	...	...
Public Control of Industry .....	...	...	...	...	865	2	4	...	...	...	...	...	...
Public Control of Industry .....	...	...	...	...	...	...	...	866	2	5	...	...	...
Public Control of Industry .....	...	...	...	...	...	...	...	...	...	...	867	2	3
European Banking Systems .....	870	2	8	...	...	...	...	...	...	...	...	...	...
Seminary in Economics and Physics .....	...	...	...	...	822	0	0	823	0	0	824	0	0
Economic Research .....	900	3-10	8	900	3-10	14	900	3-10	15	900	3-10	13	13

## ELECTRICAL ENGINEERING

Electrical Engineering .....	...	...	...	461	½	55	...	...	...	...	...	...	...
Direct Current Apparatus .....	601	5	23	...	...	...	...	...	...	...	601	5	39
Alternating Current Circuits .....	605	5	15	605	5	45	...	...	...	...	...	...	...
Applied Electronics .....	...	...	...	607	4	25	607	4	24	607	4	10	10
Medium and High Frequency Currents .....	...	...	...	...	...	...	611	5	31	611	5	19	19
Audio Frequency Alternating Current Circuits and Measurements .....	...	...	...	612	4	7	...	...	...	...	...	...	...
Experience in Practice .....	625	5	0	...	...	...	...	...	...	...	...	...	...
Electrical Engineering .....	...	...	...	...	...	...	630	5	47	...	...	...	...
Electrical Equipment .....	...	...	...	...	...	...	...	...	...	635	3	31	31
Electrical Engineering .....	...	...	...	...	...	...	640	2	41	...	...	...	...
Electrical Engineering .....	...	...	...	...	...	...	...	...	...	641	5	34	34
Electrical Engineering Survey .....	...	...	...	661	½	42	...	...	...	...	...	...	...
Alternating Current Apparatus .....	...	...	...	701	3	24	701	3	19	...	...	...	...
Alternating Current Apparatus .....	...	...	...	702	3	22	702	3	22	...	...	...	...
Alternating Current Laboratory .....	...	...	...	705	4	20	705	4	16	...	...	...	...
Alternating Current Laboratory .....	...	...	...	706	4	20	706	4	18	...	...	...	...
Electric Railways .....	...	...	...	710	4	12	...	...	...	...	...	...	...
Communication Engineering .....	...	...	...	716	4	33	...	...	...	...	...	...	...
Communication Engineering .....	...	...	...	...	...	...	717	4	25	...	...	...	...
Electrical Illumination .....	...	...	...	720	4	6	...	...	...	...	...	...	...
Electrical Illumination .....	...	...	...	722	3	1	...	...	...	...	...	...	...

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Infra-red, Visible, and Ultra-violet Radiation and Its Applications .....	...	...	...	...	...	...	...	...	...	723	3	0
Advanced Electrical Communication .....	...	...	...	...	...	...	...	...	...	726	4	20
Electrical Design .....	...	...	...	...	...	...	730	4	7	...	...	...
Advanced Electrical Design .....	...	...	...	...	...	...	...	...	...	731	3	3
Thesis .....	...	...	...	735	3	0	735	3	0	735	3	0
Thesis .....	...	...	...	736	3	0	736	3	0	736	3	0
Electrical Utilities Engineering .....	...	...	...	...	...	...	...	...	...	741	3	39
Electrical Transmission and Distribution .....	...	...	...	...	...	...	742	3	12	...	...	...
Advanced Electrical Engineering Laboratory .....	...	...	...	...	...	...	...	...	...	746	5	10
Advanced Theoretical Study of Electrical Engineering Practice and Equipment .....	...	...	...	760	...	2	...	...	...	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment .....	...	...	...	...	...	...	761	...	3	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment .....	...	...	...	...	...	...	...	...	...	762	...	6
Special Advanced Laboratory .....	...	...	...	765	...	1	...	...	...	...	...	...
Special Advanced Laboratory .....	...	...	...	...	...	...	766	...	0	...	...	...
Special Advanced Laboratory .....	...	...	...	...	...	...	...	...	...	767	...	0
The Application of Mathematics to Electrical Engineering Problems .....	...	...	...	...	...	...	...	...	...	770	3	18
Electrical Engineering .....	...	...	...	775	4	19	775	4	16	...	...	...
Electrical Engineering .....	...	...	...	776	4	23	776	4	18	...	...	...
Engineering Field Problems .....	...	...	...	...	...	...	...	...	...	780	2	0
Electrical Engineering Practice .....	...	...	...	...	...	...	783	1/2	38	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment .....	801	...	2	801	...	15	...	...	...	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment .....	...	...	...	...	...	...	802	...	12	...	...	...
Advanced Theoretical Study of Electrical Engineering Practice and Equipment .....	...	...	...	...	...	...	...	...	...	803	...	10
Advanced Laboratory Study of Electrical Engineering Practice and Equipment .....	...	...	...	805	...	2	...	...	...	...	...	...
Advanced Laboratory Study of Electrical Engineering Practice and Equipment .....	...	...	...	...	...	...	806	...	4	...	...	...
Advanced Laboratory Study of Electrical Engineering Practice and Equipment .....	...	...	...	...	...	...	...	...	...	807	...	6
Research Work .....	...	...	...	811	...	2	...	...	...	812	...	1
Research Work .....	...	...	...	...	...	...	812	...	6	812	...	8
Research Work .....	...	...	...	...	...	...	...	...	...	813	...	8



Revolving Fields and Permanences in Electrical Machinery .....	...	...	...	821	3	4	...	...	...	...	...	...
Revolving Fields and Permanences in Electrical Machinery .....	...	...	...	...	...	...	822	3	3	...	...	...
Transmission Networks .....	...	...	...	...	...	...	831	3	10	...	...	...
Electromagnetic Radiation and Radiating Systems .....	...	...	...	...	...	...	...	...	...	832	3	9
ENGINEERING DRAWING												
Principles of Engineering Drawing .....	401	4	6	401	4	357	401	4	68	...	...	...
Principles of Engineering Drawing .....	402	4	5	...	...	...	402	4	286	402	4	60
Descriptive Geometry .....	403	4	17	403	4	86	403	4	21	403	4	203
Descriptive Geometry .....	...	...	...	...	...	...	...	...	...	404	4	34
Principles of Engineering Drawing .....	...	...	...	411	4	28	...	...	...	...	...	...
Principles of Engineering Drawing .....	...	...	...	...	...	...	412	4	14	...	...	...
Descriptive Geometry .....	...	...	...	...	...	...	...	...	...	413	4	11
Drawing and Sketching .....	...	...	...	414	2	52	...	...	...	...	...	...
Descriptive Geometry .....	...	...	...	...	...	...	...	...	...	415	4	13
Elements of Drawing and Lettering .....	...	...	...	...	...	...	...	...	...	416	2	18
Engineering Drawing .....	...	...	...	421	3	74	421	3	8	...	...	...
Machine Drawing .....	...	...	...	...	...	...	422	3	67	...	...	...
Advanced Descriptive Geometry .....	...	...	...	424	4	37	424	4	18	...	...	...
Engineering Drawing .....	...	...	...	425	2	56	...	...	...	...	...	...
Technical Drawing .....	...	...	...	426	3	19	...	...	...	426	3	49
The Teaching of Engineering Drawing .....	...	...	...	...	...	...	436	5	0	...	...	...
House Planning .....	...	...	...	438	5	33	438	5	25	438	5	23
Drawing in Business .....	...	...	...	...	...	...	439	5	9	...	...	...
Chemical Machine Drawing .....	...	...	...	...	...	...	701	2	28	...	...	...
Chemical Plant Layout and Design .....	...	...	...	...	...	...	...	...	...	704	4	29
ENGLISH												
An Introduction to Literature .....	333	2	38	...	...	...	...	...	...	...	...	...
An Introduction to Literature .....	334	2	30	...	...	...	...	...	...	...	...	...
Shakespeare .....	335	2	43	...	...	...	...	...	...	...	...	...
Shakespeare .....	336	2	14	...	...	...	...	...	...	...	...	...
Wordsworth and Coleridge .....	340	2	7	...	...	...	...	...	...	...	...	...
Shelley and Keats .....	341	2	37	...	...	...	...	...	...	...	...	...
Tennyson .....	342	2	24	...	...	...	...	...	...	...	...	...
Browning .....	343	2	16	...	...	...	...	...	...	...	...	...
Nineteenth Century Prose .....	346	2	13	...	...	...	...	...	...	...	...	...
Nineteenth Century Prose .....	347	2	28	...	...	...	...	...	...	...	...	...
Composition and Reading .....	401	5	47	401	5	797	401	5	346	401	5	292
Theme Writing .....	405	5	15	405	5	51	405	5	50	405	5	64
English Composition .....	...	...	...	410	3	371	410	3	145	...	...	...
English Composition .....	...	...	...	...	...	...	411	3	346	411	3	194
English Composition .....	...	...	...	412	3	186	...	...	...	412	3	314
Advanced English for Engineers .....	...	...	...	419	3	66	419	3	49	419	3	60
An Introduction to Literature .....	430	5	64	430	5	564	430	5	659	430	5	451
Nineteenth Century Poetry: Victorian .....	442	5	25	442	5	70	442	5	113	442	5	110
Shakespeare .....	450	5	44	450	5	131	450	5	123	450	5	255
Composition and Reading .....	...	...	...	504	5	18	504	5	0	504	5	0
Advanced Composition .....	...	...	...	507	5	29	...	...	...	...	...	...
English Words .....	...	...	...	528	3	44	...	...	...	528	3	38

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
The English Bible .....	...	...	...	...	...	...	...	...	...	529	5	60
Literature and Composition .....	...	...	...	...	...	...	...	...	...	543	5	14
American Literature .....	608	5	39	...	...	...	...	...	...	608	5	81
History of the English Language .....	...	...	...	...	...	...	627	3	33	...	...	...
Eighteenth Century Poetry and Prose .....	636	5	30	636	5	49	...	...	...	...	...	...
The Essay .....	639	5	21	...	...	...	639	5	22	...	...	...
Nineteenth Century Poetry—Romantic .....	641	5	21	641	5	36	641	5	47	641	5	35
Nineteenth Century Prose .....	644	5	19	644	5	31	...	...	...	644	5	52
Middle English .....	...	...	...	...	...	...	...	...	...	646	3	5
Old English .....	651	3	11	651	3	16	...	...	...	...	...	...
Old English Poetry .....	...	...	...	...	...	...	652	3	7	...	...	...
Chaucer and His Principal Contemporaries and Successors .....	653	5	17	...	...	...	653	5	32	...	...	...
English Medieval Literature to Chaucer .....	...	...	...	654	5	20	...	...	...	...	...	...
The Novel—Richardson to Scott .....	...	...	...	655	5	74	...	...	...	...	...	...
The Novel—Dickens to Meredith .....	...	...	...	...	...	...	655	5	98	...	...	...
Verse .....	...	...	...	...	...	...	...	...	...	657	5	17
The Short Story .....	...	...	...	...	...	...	658	5	33	...	...	...
Seventeenth Century Literature .....	659	5	21	659	5	15	...	...	...	659	5	44
Recent and Contemporary Drama .....	...	...	...	...	...	...	...	...	...	670	5	83
Spenser .....	...	...	...	...	...	...	674	5	40	...	...	...
Play Production .....	...	...	...	...	...	...	675	5	24	...	...	...
Shakespeare and His Contemporaries .....	...	...	...	676	5	33	...	...	...	...	...	...
Shakespeare and His Contemporaries in Eng- lish Drama .....	677	5	32	...	...	...	677	5	30	...	...	...
The Influence of the Theater on the Drama .....	...	...	...	...	...	...	...	...	...	680	3	40
Honors Course .....	...	...	...	705	3-10	9	...	...	...	...	...	...
Honors Course .....	...	...	...	...	...	...	706	3-10	5	...	...	...
Honors Course .....	...	...	...	...	...	...	...	...	...	707	3-10	8
Bibliography and Methods of Research in Eng- lish Literature .....	800	2	12	800	2	16	...	...	...	...	...	...
History of the Short Narrative in English .....	...	...	...	801	2	16	...	...	...	...	...	...
The Lyric .....	...	...	...	...	...	...	802	2	5	...	...	...
Studies in Criticism .....	805	2	4	805	2	13	...	...	...	805	2	11
Problems in Comedy .....	...	...	...	...	...	...	806	2	10	...	...	...
The Novel—End of the Nineteenth Century .....	...	...	...	...	...	...	807	2	10	...	...	...
Poetry—End of the Nineteenth Century .....	...	...	...	808	2	7	...	...	...	...	...	...
The Twentieth Century Realistic Novel: Con- sidered in Relation to its Origins, English and French .....	...	...	...	...	...	...	...	...	...	809	2	5



Studies in Modern English Language.....	814	5	10	815	5	7	810	3	3	814	2	6
Studies in American Literature.....	815	5	10	815	5	7	815	5	2	815	5	2
Studies in Seventeenth Century Literature.....	815	5	10	816	2	6	815	5	2	815	5	2
Studies in Poetic Rhythm.....	815	5	10	816	2	6	815	5	2	815	5	2
Studies in Eighteenth Century Literature.....	815	5	10	816	2	6	815	5	2	815	5	2
Discussions of Dissertations.....	819	2-5	5	819	2-5	7	819	2-5	18	820	2-5	3
Discussions of Dissertations.....	820	2-5	4	821	2-5	4	821	2-5	1	821	2-5	8
Discussions of Dissertations.....	821	2-5	3	821	2-5	4	821	2-5	1	822	2	2
Play Writing.....	821	2-5	3	821	2-5	4	821	2-5	1	822	2	2
Studies in Romantic Movement.....	823	5	2	823	5	2	823	5	2	823	5	2
Studies in Romantic Movement.....	824	5	5	824	5	5	824	5	5	824	5	5
ENGLISH—PUBLIC SPEAKING												
Principles and Practice of Public Speaking...	401	5	34	401	5	149	401	5	147	401	5	226
Debating.....	402	5	10	402	5	15	402	5	16	402	5	21
Principles and Practice of Oral Reading.....	459	3	22	459	3	36	459	3	41	459	3	41
Business and Professional Speaking.....	501	3	17	501	3	17	501	3	17	501	3	17
Advanced Debate Practice.....	610	5	5	610	5	5	610	5	7	610	5	7
Extempore Speaking.....	614	5	5	614	5	5	614	5	5	614	5	5
Masters of Public Address.....	621	5	4	621	5	4	621	5	4	621	5	4
The Forms of Public Address.....	625	5	17	625	5	17	625	5	17	625	5	17
Special Problems in the Theory of Public Speaking.....	651	5	6	651	5	6	651	5	6	651	5	6
FARM CROPS												
Field Crop Production.....	401	5	20	401	5	20	401	5	18	401	5	17
Cereal Crops.....	402	5	16	402	5	16	402	5	16	402	5	16
Forage Crops.....	403	5	9	403	5	9	403	5	9	403	5	9
Weeds and Weed Control.....	408	3	0	408	3	0	408	3	0	408	3	0
Plant Breeding.....	602	5	0	602	5	0	602	5	0	602	5	0
Crop Experimentation.....	603	3	0	603	3	0	603	3	0	603	3	0
Special Problems.....	701	3-15	4	701	3-15	4	701	3-15	4	701	3-15	4
Research in Plant Breeding and Crop Production.....	801	5-10	1	801	5-10	1	801	5-10	0	801	5-10	1
Seminary.....	802	1	0	802	1	0	802	1	0	802	1	0
FINE ARTS												
Elementary Freehand Drawing.....	321	3	42	321	3	42	321	3	42	321	3	42
Advanced Freehand Drawing.....	323	3	10	323	3	10	323	3	10	323	3	10
Elementary Design.....	331	3	8	331	3	8	331	3	8	331	3	8
Intermediate Design.....	332	3	6	332	3	6	332	3	6	332	3	6
Arts Problems for Elementary Teachers.....	335	3	18	335	3	18	335	3	18	335	3	18
Principles of Art.....	336	3	9	336	3	9	336	3	9	336	3	9
Art Problems for Teachers of Art.....	337	3	4	337	3	4	337	3	4	337	3	4
Water Color Painting.....	341	3	12	341	3	12	341	3	12	341	3	12
Problems in Art Education.....	381	3-9	13	381	3-9	13	381	3-9	13	381	3-9	13
Pageantry and Stage Designing.....	390	3-9	13	390	3-9	13	390	3-9	13	390	3-9	13
Freehand Drawing.....	401	2	29	401	2	29	401	2	29	401	2	29
Freehand Drawing.....	402	2	18	402	2	18	402	2	18	402	2	18
Freehand Drawing.....	403	2	16	403	2	16	403	2	16	403	2	16
Advanced Freehand Drawing.....	404	2	7	404	2	7	404	2	7	404	2	7
Advanced Freehand Drawing.....	405	2	7	405	2	7	405	2	7	405	2	7

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THE OHIO STATE UNIVERSITY

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Water Color Painting .....	...	...	...	407	2	9	...	...	...	407	2	13
Water Color Painting .....	...	...	...	408	3	5	...	...	...	408	3	9
Drawing from Life .....	...	...	...	411	3	7	411	3	5	411	3	5
Drawing from Life .....	...	...	...	412	3	2	412	3	10	412	3	3
Elementary Freehand Drawing .....	421	5	14	421	5	112	421	5	49	421	5	54
Advanced Freehand Drawing .....	423	5	4	423	5	32	423	5	63	423	5	24
Drawing from Life .....	...	...	...	424	5	29	424	5	23	424	5	24
Advanced Life Drawing .....	...	...	...	425	5	11	425	5	10	425	5	12
Elements of Art .....	...	...	...	426	5	133	426	5	15	...	...	...
Elementary Design .....	431	5	12	431	5	32	431	5	31	431	5	62
Intermediate Design .....	...	...	...	432	5	12	432	5	33	...	...	...
Elements of Art: Advanced .....	...	...	...	436	5	25	436	3	10	436	3	20
Water Color Painting .....	...	...	...	441	5	6	441	5	9	441	5	29
Oil Painting .....	442	5	14	442	5	5	442	5	15	442	5	5
History of Ancient Art .....	...	...	...	451	5	67	...	...	...	...	...	...
History of Medieval and Renaissance Art .....	...	...	...	...	...	...	452	5	55	...	...	...
History of Renaissance and Modern Art .....	...	...	...	...	...	...	...	...	...	453	5	58
History of Costume Design .....	...	...	...	...	...	...	...	...	...	456	3	7
Sculpture .....	...	...	...	461	5	9	461	5	6	461	5	13
Appreciation of the Plastic Arts .....	...	...	...	476	1	163	...	...	...	...	...	...
Appreciation of the Pictorial Arts .....	...	...	...	...	...	...	477	1	205	...	...	...
Appreciation of the Popular Arts .....	...	...	...	...	...	...	...	...	...	478	1	213
Non-Professional Course in Landscape Architecture .....	...	...	...	500	2	0	500	2	15	500	2	13
Theory of Landscape Design .....	...	...	...	509	2	21	...	...	...	...	...	...
Theory of Landscape Design .....	...	...	...	...	...	...	510	2	8	...	...	...
Elementary Landscape Design .....	...	...	...	...	...	...	...	...	...	511	2	7
Elementary Landscape Design .....	...	...	...	512	3	7	...	...	...	...	...	...
Elementary Landscape Design .....	...	...	...	...	...	...	513	3	5	...	...	...
Elementary Landscape Design .....	...	...	...	...	...	...	...	...	...	514	3	6
Intermediate Landscape Design .....	...	...	...	515	5	7	...	...	...	...	...	...
Intermediate Landscape Design .....	...	...	...	...	...	...	516	5	7	...	...	...
Intermediate Landscape Design .....	...	...	...	...	...	...	...	...	...	517	5	5
Advanced Landscape Design .....	...	...	...	518	8	9	...	...	...	...	...	...
Advanced Landscape Design .....	...	...	...	...	...	...	519	8	9	...	...	...
Advanced Landscape Design .....	...	...	...	...	...	...	...	...	...	520	8	9
Plant Materials .....	...	...	...	521	2	9	...	...	...	...	...	...
Plant Materials .....	...	...	...	...	...	...	522	2	6	...	...	...
Plant Materials .....	...	...	...	...	...	...	...	...	...	523	2	6
Plant Materials .....	...	...	...	524	2	7	...	...	...	...	...	...



Plant Materials	...	...	...	525	2	5	526	2	5
Plant Materials	...	...	...	526	3	9	527	...	...
History of Landscape Architecture	...	...	...	530	...	...	533	5	17
Commercial Design	...	...	...	534	5	13	534	5	18
Thesis Design	...	...	...	535	5	9	535	5	1
Illustrative Drawing	...	...	...	541	3	9	...	...	...
Planting Design	...	...	...	...	...	...	542	3	9
Planting Design	...	...	...	...	...	...	...	...	...
Planting Design	...	...	...	...	...	...	...	...	...
Advanced Water Color Painting	544	5	9	544	5	9	...	544	5
Portrait Painting	...	...	...	545	5	4	...	...	...
Portrait Painting	...	...	...	...	...	...	546	5	13
Portrait Painting	...	...	...	...	...	...	...	547	5
Stage Design	...	...	...	...	...	...	...	550	5
Landscape Construction	...	...	...	551	5	9	...	...	...
Landscape Construction	...	...	...	...	...	...	552	5	9
Landscape Construction	...	...	...	...	...	...	...	...	...
Advanced Oil Painting	...	...	...	560	5	4	560	5	5
Advanced Sculpture	...	...	...	562	5	2	562	5	3
Technical Problems	...	...	...	565	3-15	38	...	...	...
Technical Problems	566	3-15	22	...	...	...	566	3-15	60
Technical Problems	...	...	...	...	...	...	...	...	...
Art Structure in Elementary Teaching	...	...	...	569	5	63	...	...	...
Art Problems for Elementary Teachers	...	...	...	...	...	...	570	5	60
The Theory and Practice of Teaching Art	...	...	...	...	...	...	571	5	30
Ceramic Products	...	...	...	580	5	5	...	...	...
Ceramic Composition and Decorative Processes	...	...	...	...	...	...	580	5	2
Ceramic Shape Designing	...	...	...	...	...	...	...	...	...
Ceramic Decorating	...	...	...	...	...	...	...	...	...
Ceramic Decorating	...	...	...	584	5	4	...	...	...
Ceramic Decorating	...	...	...	...	...	...	585	5	1
Ceramic Ensemble Designing	...	...	...	...	...	...	...	...	...
History of Renaissance Art	...	...	...	...	...	...	...	...	...
Advanced Technical Problems	...	...	...	661	3-15	27	...	...	...
Advanced Technical Problems	662	3-15	16	...	...	...	662	3-15	55
Advanced Technical Problems	...	...	...	...	...	...	...	...	...
History of the Art of Ancient Egypt and Mesopotamia	...	...	...	670	2	24	...	...	...
History of Hellenic Art	...	...	...	671	3	22	...	...	...
History of Moslem Art	...	...	...	...	...	...	672	2	29
History of Christian Art of the Middle Ages	...	...	...	...	...	...	673	3	25
History of American Art	...	...	...	...	...	...	...	...	...
History of French Art from Beginning of 17th Century to the Present Day	...	...	...	...	...	...	...	676	2
Major Problems in Technical Research	...	...	...	...	...	...	...	...	...
Major Problems in Technical Research	...	...	...	801	3-15	11	...	...	...
Major Problems in Technical Research	...	...	...	...	...	...	802	3-15	11
Major Problems in Technical Research	...	...	...	...	...	...	...	...	...
Major Problems in Historical Research	...	...	...	804	3-15	0	...	...	...
Major Problems in Historical Research	...	...	...	...	...	...	805	3-15	0
Major Problems in Historical Research	...	...	...	...	...	...	...	...	...
Major Problems in Historical Research	...	...	...	...	...	...	806	3-15	0

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
FRANZ STONE LABORATORY												
Ecology of Freshwater Animals.....	604	5	7	...	...	...	...	...	...	...	...	...
Advanced Invertebrate Zoology.....	622	5	4	...	...	...	...	...	...	...	...	...
Ichthyology.....	624	5	5	...	...	...	...	...	...	...	...	...
Advanced Entomology.....	651	5	4	...	...	...	...	...	...	...	...	...
Freshwater Algae (Botany).....	665	5	9	...	...	...	...	...	...	...	...	...
Special Problems.....	700	3-5	19	...	...	...	...	...	...	...	...	...
Special Problems (Botany).....	701	2-5	8	...	...	...	...	...	...	...	...	...
Seminary in Zoology and Entomology.....	801	3-10	1	...	...	...	...	...	...	...	...	...
Research Work.....	810	5-10	13	...	...	...	...	...	...	...	...	...
GEOGRAPHY												
Principles of Geography.....	401	5	58	401	5	390	401	5	141	401	5	234
Economic Geography.....	403	5	61	403	5	83	403	5	116	403	5	130
Climatology.....	411	3	10	411	3	16	...	...	...	...	...	...
Cartography.....	421	2	6	...	...	...	...	...	...	421	2	7
Historical Geography and Commerce of the United States.....	422	3	29	422	3	98	422	3	87	422	3	94
Principles of Geography (for Upperclassmen).....	...	...	...	501	3	34	501	3	12	501	3	16
The Localization of Manufacturing Industries of the United States.....	...	...	...	...	...	...	...	...	...	603	4	11
Conservation of Natural Resources.....	...	...	...	604	2	16	...	...	...	...	...	...
Economic and Social Geography of Ohio.....	...	...	...	...	...	...	605	2	19	...	...	...
Land Utilization.....	606	2	11	...	...	...	...	...	...	606	2	9
Geography of Europe.....	621	3	16	621	3	15	...	...	...	...	...	...
Geography of South America.....	623	3	44	623	3	19	...	...	...	...	...	...
Geography of the Caribbean Region.....	...	...	...	...	...	...	624	3	32	...	...	...
Geography of the Far East.....	625	3	26	...	...	...	...	...	...	625	3	28
The Geography and History of Commerce.....	631	3	15	631	3	36	...	...	...	631	3	74
World Industries and Commerce.....	632	3	33	632	3	23	...	...	...	...	...	...
Trade Centers and Trade Routes.....	...	...	...	...	...	...	634	3	57	634	3	48
Field Work in Geography and Commerce.....	641	1-3	5	641	1-3	4	...	...	...	641	1-3	20
Special Problems in Geography and Commerce.....	642	3	1	642	3	0	642	3	3	642	3	3
Anthropogeography.....	...	...	...	...	...	...	651	4	13	...	...	...
Problems in Historical Geography.....	...	...	...	...	...	...	661	3	0	...	...	...
Research in Geography and Commerce.....	801	1-3	11	801	1-3	2	...	...	...	...	...	...
Research in Geography and Commerce.....	802	1-3	3	...	...	...	802	1-3	0	...	...	...
Research in Geography and Commerce.....	...	...	...	...	...	...	...	...	...	803	1-3	1



Departmental Seminary in Geography and Commerce	805	0	5	...	...	...	...	...	...	...	...	...
Departmental Seminary in Geography and Commerce	...	...	...	806	0	4	...	...	...	...	...	...
Departmental Seminary in Geography and Commerce	...	...	...	...	...	...	...	...	807	0	1	...
Research in the Geography of Conservation and Land Utilization	...	...	...	808	1-3	0	...	...	...	...	...	...
Research in the Geography of Conservation and Land Utilization	...	...	...	...	...	...	809	1-3	0	...	...	...
Research in the Geography of Conservation and Land Utilization	...	...	...	...	...	...	...	...	810	1-3	0	...
History of Geography	811	2	2	...	...	...	...	...	811	2	0	...
Problems in the Geography of Foreign Commerce	...	...	...	815	1-3	0	...	...	...	...	...	...
Problems in the Geography of Foreign Commerce	...	...	...	...	...	...	816	1-3	1	...	...	...
Problems in the Geography of Foreign Commerce	...	...	...	...	...	...	...	...	817	1-3	0	...
Problems in Industrial and Agricultural Geography	...	...	...	821	1-3	2	...	...	...	...	...	...
Problems in Industrial and Agricultural Geography	...	...	...	...	...	...	822	1-3	3	...	...	...
Problems in Industrial and Agricultural Geography	...	...	...	...	...	...	...	...	823	1-3	0	...
Research in Physical Geography	831	1-3	3	831	1-3	4	...	...	...	...	...	...
Research in Physical Geography	832	1-3	3	...	...	...	832	1-3	0	...	...	...
Research in Physical Geography	...	...	...	...	...	...	...	...	833	1-3	0	...
Seminary in Geography	841	5	1	841	5	0	...	...	...	...	...	...
Seminary in Geography	...	...	...	...	...	...	...	...	843	5	1	...
GEOLOGY												
General Geology	...	...	...	401	5	170	401	5	116	401	5	77
General Geology	...	...	...	402	5	54	402	5	122	402	5	94
Glacial Geology	...	...	...	...	...	...	...	...	...	404	5	7
The Geology of Our Mineral Wealth	...	...	...	411	5	0	...	...	...	...	...	...
Geologic Life Development	...	...	...	...	...	...	...	...	...	412	5	17
Meteorology	...	...	...	...	...	...	420	5	8	...	...	...
Agricultural Geology	...	...	...	430	5	25	...	...	...	430	5	37
Engineering Geology	...	...	...	435	5	59	435	5	40	...	...	...
Historical Geology for Engineers	...	...	...	...	...	...	437	3	11	...	...	...
Advanced General Geology: Physiography	...	...	...	501	5	14	501	5	14	...	...	...
Advanced General Geology: Structural and Dynamic	...	...	...	...	...	...	502	5	9	...	...	...
Advanced General Geology: Historical	...	...	...	...	...	...	...	...	...	503	5	6
Advanced Paleontology	...	...	...	601	3-4	4	...	...	...	...	...	...
Advanced Paleontology	...	...	...	...	...	...	602	3-4	2	...	...	...
Advanced Paleontology	...	...	...	...	...	...	...	...	...	603	3-4	0
Economic Geology: Metals	...	...	...	605	5	17	...	...	...	...	...	...
Economic Geology: Non-Metals	...	...	...	...	...	...	606	5	8	...	...	...
Economic Geology: Petroleum	...	...	...	...	...	...	...	...	...	607	5	9
Physiography of the United States	...	...	...	...	...	...	610	5	10	...	...	...
Special Problems	...	...	...	612	3-5	2	612	3-5	6	612	3-5	5

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Advanced Composition .....	695	2-10	6	695	2-10	11	695	2-10	13	685	3	5
Minor Investigations .....	858	3	6	858	3	8	860	3	5	861	3	5
Seminary in German Literature .....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in German Literature .....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in German Literature .....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in German Literature .....	...	...	...	...	...	...	...	...	...	...	...	...

# HISTORY

Modern European History to 1815 .....	401	5	307	401	5	111	401	5	109
Modern Europe since 1815 .....	402	5	76	402	5	218	402	5	101
History of the United States (1763-1850) .....	403	5	401	403	5	220	403	5	290
History of the United States (1850-1925) .....	404	5	158	404	5	280	404	5	197
Medieval Europe (400 to 1500) .....	407	5	29	407	5	...	407	5	...
Outline of the History of Western Civilization .....	408	5	64	408	5	...	408	5	...
Outline of the History of Western Civilization .....	409	5	54	409	5	...	409	5	...
Outline of the History of Western Civilization .....	410	5	57	410	5	...	410	5	...
England to 1603 .....	421	5	24	421	5	...	421	5	...
England since 1603 .....	422	5	29	422	5	...	422	5	...
The History of Ohio .....	437	3	59	437	3	52	437	3	...
The Renaissance .....	607	3	36	607	3	...	607	3	...
The Reformation .....	608	3	24	608	3	...	608	3	...
The Roman Empire, the Period of the Prin- cipate .....	609	3	7	609	3	...	609	3	...
The Late Roman Empire .....	610	3	0	610	3	...	610	3	...
Constitutional History of England to 1485 .....	611	3	17	611	3	...	611	3	...
Constitutional History of England since 1485 .....	612	3	7	612	3	13	612	3	...
England in the Tudor Period .....	613	3	38	613	3	...	613	3	...
England in the Stuart Period .....	614	3	26	614	3	...	614	3	...
Medieval Civilization .....	619	3	12	619	3	...	619	3	...
Expansion of Europe to 1588 .....	621	3	15	621	3	...	621	3	...
Expansion of Europe from 1588 to 1815 .....	622	3	54	622	3	12	622	3	...
Expansion of Europe from 1815 to the Present .....	623	3	36	623	3	...	623	3	...
The French Revolution and Napoleon .....	624	3	42	624	3	12	624	3	...
The Third French Republic .....	625	3	32	625	3	...	625	3	15
The Reconstruction of Europe (1919-1932) .....	628	3	31	628	3	...	628	3	...
Modern Germany (1789-1918) .....	629	3	31	629	3	...	629	3	...
The Diplomacy of Europe (1879-1919) .....	630	3	31	630	3	...	630	3	...
Constitutional History of the U. S. to 1837 .....	631	3	14	631	3	...	631	3	...
Constitutional History since 1837 .....	632	3	17	632	3	...	632	3	...
The Slavery Controversy in the United States .....	633	3	30	633	3	...	633	3	...
Reconstruction and the New South (1863- 1925) .....	634	3	51	634	3	...	634	3	...
American Diplomacy to the Close of the Civil War .....	635	3	16	635	3	...	635	3	...
American Diplomacy since the Civil War .....	636	3	20	636	3	...	636	3	...
Recent History of the U. S. (1875-1930) .....	637	3	45	637	3	56	637	3	...
Recent History of the U. S. (1875-1930) .....	638	3	73	638	3	...	638	3	...
The Influence of Immigrant Groups upon United States History .....	639	5	59	639	5	...	639	5	59
The Pioneer in American History to 1812 .....	640	3	10	640	3	...	640	3	...
The Pioneer in American History since 1812 .....	641	3	9	641	3	...	641	3	...
Political Parties in the United States .....	642	3	43	642	3	...	642	3	...
The Colonization of North America .....	643	3	...	643	3	...	643	3	...
	644	3	13	644	3	...	644	3	...

THE WORK OF INSTRUCTORS—1932-1933—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Colonial Latin America .....	...	...	...	...	...	...	645	3	12	...	...	...
The Latin-America Republics .....	...	...	...	...	...	...	...	...	...	646	5	15
History of Canada .....	647	5	34	...	...	...	...	...	...	647	5	18
The Ancient History of the Near East.....	...	...	...	653	3	10	...	...	...	...	...	...
Greek History .....	...	...	...	656	5	21	655	5	22	...	...	...
Roman History .....	...	...	...	...	...	...	...	...	...	...	...	...
The Hellenistic Age .....	...	...	...	...	...	...	...	...	...	659	3	8
American Diplomacy in the Pacific and the Far East .....	662	3	35	...	...	...	...	...	...	...	...	...
History of Modern China .....	663	3	17	...	...	...	...	...	...	...	...	...
History of Spain and Portugal .....	...	...	...	665	3	10	...	...	...	...	...	...
The Counter Reformation .....	...	...	...	705	3-5	0	...	...	...	671	3	30
Honors Course .....	...	...	...	...	...	...	706	3-5	0	707	3-5	0
Honors Course .....	...	...	...	...	...	...	...	...	...	...	...	...
Honors Course .....	812	3	27	812	3	22	813	3	9	...	...	...
Introduction to Historical Research .....	...	...	...	...	...	...	...	...	...	814	3	6
The Great Historians to the 19th Century.....	...	...	...	...	...	...	...	...	...	...	...	...
The Great Historians of the 19th Century....	...	...	...	815	3	9	...	...	...	...	...	...
Seminary in European History .....	815	3	17	...	...	...	816	3	16	817	3	2
Seminary in European History .....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in European History .....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in American History .....	819	3	33	819	3	16	...	...	...	...	...	...
Seminary in American History .....	...	...	...	...	...	...	820	3	8	...	...	...
Seminary in American History .....	...	...	...	...	...	...	...	...	...	821	3	10
HISTORY OF EDUCATION												
Educational Classics .....	350	2	12	...	...	...	...	...	...	...	...	...
Educational Classics .....	351	2	9	...	...	...	...	...	...	...	...	...
History of Education in the U. S. to 1860....	356	2	6	...	...	...	...	...	...	...	...	...
History of Education in the U. S. to 1860....	357	2	6	...	...	...	...	...	...	...	...	...
The History of Elementary Education.....	401	5	21	401	5	11	401	5	29	401	5	19
Educational Classics .....	...	...	...	...	...	...	601	4	5	...	...	...
Educational Classics .....	...	...	...	...	...	...	...	...	...	602	4	0
History of Education in the U. S. to 1860....	...	...	...	605	4	0	...	...	...	...	...	...
History of Education in the U. S. since 1860....	...	...	...	...	...	...	...	...	...	606	4	0
History of Industrial Education .....	607	2	12	...	...	...	607	2	0	...	...	...
History of the American High School .....	608	2	2	608	2	8	...	...	...	609	2	10
Present-Day Problems in Education, I .....	...	...	...	...	...	...	...	...	...	...	...	...
The History of Education in Ohio .....	611	2	6	611	2	4	...	...	...	...	...	...



Comparative Education .....	614	2	4	613	2	0	614	2	8
Great Teachers .....	617	2	17	617	2	5	617	2	26
The History of Higher Education .....	625	3	64	625	3	165	625	3	0
History of Pre-Renaissance Education .....	625	3	64	625	3	61	625	3	44
The History of Modern Education to 1750 .....	626	3	91	626	3	61	626	3	60
The History of Modern Education since 1750 .....	626	3	91	627	5	27	627	5	29
History of Modern Education .....	631	3	3	631	3	3	631	3	3
History of Modern Educational Theory .....	632	3	3	632	3	3	632	3	3
Nineteenth Century Reformers .....	640	2	7	640	2	7	640	2	7
Rousseau and Modern Education .....	641	2	5	641	2	5	641	2	5
The Evolution of the Junior College Movement .....	651	1-3	5	651	1-3	0	651	1-3	4
Minor Problems .....	801	2-5	0	801	2-5	2	801	2-5	2
Seminary in the History of Education .....	809	3-5	3	809	3-5	0	809	3-5	1
A Survey of Source Material and of General Literature in the History of Education from the Middle of the Eighteenth Century .....	809	3-5	3	809	3-5	0	809	3-5	1
Research in the History of Education .....	809	3-5	3	809	3-5	0	809	3-5	1
HOME ECONOMICS									
An Introduction to Home Economics .....	401	5	14	401	5	103	401	5	26
Elementary Textiles .....	401	5	14	401	5	51	401	5	54
Clothing .....	404	5	24	404	5	20	404	5	20
Textiles and Clothing .....	406	5	43	406	5	37	406	5	64
Household Equipment .....	411	5	74	411	5	30	411	5	18
Foods .....	412	5	20	412	5	63	412	5	30
Foods .....	425	2	13	425	2	13	425	2	13
Elementary Dietetics .....	426	1	30	426	1	30	426	1	30
Diet in Disease .....	503	5	18	503	5	24	503	5	21
Clothing .....	504	3	12	504	3	18	504	3	18
Applied Costume Design .....	509	3	10	509	3	19	509	3	19
Elements of Nutrition .....	510	5	16	510	5	30	510	5	30
Elements of Nutrition and Food Preparation .....	511	5	22	511	5	33	511	5	20
Home Hygiene .....	512	5	31	512	5	23	512	5	33
Home Furnishing .....	518	5	27	518	5	27	518	5	27
Elements of Homemaking .....	520	3	12	520	3	16	520	3	9
The Child in the Home .....	601	3	13	601	3	0	601	3	19
Clothing .....	602	3	7	602	3	0	602	3	19
Textiles .....	603	3	8	603	3	8	603	3	8
Textiles .....	604	5	15	604	5	11	604	5	35
Textiles and Clothing .....	611	5	29	611	5	18	611	5	23
Nutrition .....	614	3	20	614	3	9	614	3	18
Nutrition .....	615	5	7	615	5	0	615	5	0
Foods .....	616	3	8	616	3	8	616	3	8
Experimental Work in Food Preparation .....	618	5	0	618	5	0	618	5	0
Nutrition of Infants and Children .....	619	3	0	619	3	0	619	3	0
Buying for the Home .....	621	5	30	621	5	19	621	5	22
Household Equipment .....	626	3	14	626	3	24	626	3	16
Child Development .....	627	5	24	627	5	13	627	5	21
Principles of Home Management .....	630	5	13	630	5	11	630	5	0
Laboratory in Home Management .....	631	5	13	631	5	11	631	5	0
The Purchase of Foods for Institutions .....	631	5	13	631	5	11	631	5	0
Institution Management .....	631	5	13	631	5	11	631	5	0

THE WORK OF INSTRUCTORS—1932-1933—Continued

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Institution Management .....	...	...	...	...	...	...	632	5	10	632	5	15
School Luncheon Management .....	633	3	10	...	...	...	...	...	...	633	3	19
Home Economics Teaching .....	...	...	...	641	5	24	641	5	21	641	5	15
Supervised Home Economics Teaching .....	...	...	...	642	7	14	642	7	15	642	7	24
Problems in the Teaching of Home Economics .....	643	3	15	643	3	14	643	3	17	643	3	29
Problems in the Teaching of Home Economics .....	644	3	8	...	...	...	...	...	...	644	3	0
Vocational Home Economics in Secondary School .....	645	3	5	...	...	...	645	3	0	...	...	...
Special Problems in Home Economics .....	701	3-15	30	701	3-15	18	701	3-15	12	701	3-15	14
Advanced Special Problems in Home Economics .....	801	3-15	1	801	3-15	4	801	3-15	2	801	3-15	4
Seminary in Foods and Nutrition .....	...	...	...	803	3	0	...	...	...	...	...	...
<b>HORTICULTURE AND FORESTRY</b>												
Principles of Horticulture .....	...	...	...	401	5	32	...	...	...	...	...	...
Small Fruits and Grapes .....	...	...	...	...	...	...	...	...	...	402	5	9
Elementary Pomology .....	...	...	...	403	5	12	...	...	...	...	...	...
Elementary Pomology .....	...	...	...	...	...	...	404	5	15	...	...	...
General Horticulture .....	...	...	...	405	5	20	...	...	...	405	5	22
Commercial Vegetable Gardening .....	...	...	...	...	...	...	421	5	16	...	...	...
Commercial Vegetable Gardening .....	...	...	...	...	...	...	...	...	...	422	5	11
Horticultural Products .....	...	...	...	423	3	7	...	...	...	...	...	...
Greenhouse Construction and Equipment .....	...	...	...	...	...	...	...	...	...	424	3	12
Vegetable Forcing .....	...	...	...	...	...	...	...	...	...	426	3	3
Potato Culture .....	...	...	...	...	...	...	...	...	...	428	3	7
Elementary Plant Propagation .....	...	...	...	440	3	14	...	...	...	...	...	...
Amateur Floriculture .....	...	...	...	...	...	...	...	...	...	441	3	3
Greenhouse Cutofflower Crops .....	...	...	...	442	5	8	...	...	...	...	...	...
Greenhouse Pot Plants .....	...	...	...	...	...	...	443	5	8	...	...	...
Garden Management .....	...	...	...	...	...	...	...	...	...	444	5	13
Arrangement and Planting of Gardens and Small Properties .....	...	...	...	...	...	...	445	5	7	...	...	...
The Flower Shop .....	...	...	...	...	...	...	...	...	...	446	3	8
Nursery Management .....	...	...	...	...	...	...	...	...	...	448	5	3
Advanced Plant Propagation .....	...	...	...	...	...	...	449	5	12	...	...	...
Ornamental Plants .....	...	...	...	450	5	7	...	...	...	...	...	...
Arboriculture .....	...	...	...	483	3	5	...	...	...	...	...	...
General Forestry .....	...	...	...	501	3	21	...	...	...	...	...	...
Farm Woodlot Management .....	...	...	...	...	...	...	...	...	...	502	5	8
Principles of Forestry .....	...	...	...	...	...	...	505	5	13	...	...	...



Wood Technology .....	...	...	...	508	5	12	507	5	11	...	...	...
Dendrology .....	...	...	...	...	...	...	...	...	...	509	5	7
Artificial Forest Reproduction .....	...	...	...	...	...	...	...	...	...	...	...	...
Horticultural Plant Breeding .....	...	...	...	...	...	...	601	3	9	...	...	...
Experimental Horticulture .....	...	...	...	602	3	0	...	...	...	...	...	...
Experimental Horticulture .....	...	...	...	...	...	...	603	3	12	...	...	...
Fruit Inspection .....	...	...	...	604	5	5	...	...	...	...	...	...
The Literature of Horticulture .....	...	...	...	...	...	...	605	5	8	...	...	...
Advanced Pomology .....	...	...	...	606	5	3	...	...	...	...	...	...
Systematic Vegetable Gardening .....	...	...	...	621	5	4	...	...	...	...	...	...
Structure of Vegetables and Ornamental Plants .....	...	...	...	652	3	15	...	...	...	...	...	...
Structure of Economic Fruits .....	...	...	...	...	...	...	653	3	15	...	...	...
Minor Investigations .....	...	...	...	701	3-15	31	701	3-15	18	701	3-15	16
Horticulture Seminary .....	...	...	...	704	1	14	704	1	12	704	1	15
Research .....	...	...	...	801	5-10	11	801	5-10	5	801	5-10	8
INDUSTRIAL ENGINEERING												
Survey of Industrial Engineering .....	...	...	...	401	½	18	...	...	...	...	...	...
Survey of Industrial Engineering .....	...	...	...	...	...	...	402	½	14	...	...	...
Survey of Industrial Engineering .....	...	...	...	...	...	...	...	...	...	403	½	25
Foundry Practice .....	...	...	...	405	3	51	405	3	37	405	3	24
Advanced Foundry Practice .....	...	...	...	...	...	...	406	2	4	406	2	19
Patternmaking .....	411	3	72	411	3	47	411	3	29	...	...	...
Advanced Patternmaking .....	...	...	...	412	2	5	412	2	2	...	...	...
Patternmaking and Foundry Practice .....	...	...	...	413	3	0	413	3	0	...	...	...
Forging and Heat Treating .....	415	3	32	415	3	33	415	3	25	...	...	...
Advanced Forging and Heat Treating .....	...	...	...	417	2	18	417	2	13	...	...	...
Forging, Shop Heat Treating and Welding .....	418	3	49	418	3	29	418	3	21	...	...	...
Elementary Machine Work .....	419	3	35	419	3	42	419	3	48	419	3	40
Advanced Machine Work .....	421	3	30	421	3	20	421	3	31	421	3	47
Engineering Organization .....	...	...	...	601	4	37	...	...	...	...	...	...
The Laws of Engineering Management .....	...	...	...	...	...	...	602	3	46	...	...	...
Work Analysis .....	...	...	...	...	...	...	...	...	...	603	3	34
Advanced Machine Work .....	...	...	...	623	3	9	623	3	20	623	3	16
Junior Inspection Trip .....	...	...	...	...	...	...	...	...	...	630	2	23
Work-Analysis Laboratory .....	...	...	...	...	...	...	...	...	...	653	3	30
Production Control Charts .....	...	...	...	661	3	9	661	3	17	661	3	12
Selection of Manufacturing Equipment .....	...	...	...	701	3	45	...	...	...	...	...	...
Work Routing .....	...	...	...	...	...	...	702	4	34	...	...	...
Methods of Waste Elimination .....	...	...	...	...	...	...	...	...	...	706	4	46
Principles of Industrial Engineering .....	...	...	...	...	...	...	712	3	38	712	3	32
Senior Inspection Trip .....	...	...	...	...	...	...	...	...	...	730	2	34
Tool Engineering .....	...	...	...	751	3	37	...	...	...	...	...	...
Work-Routing Laboratory .....	...	...	...	...	...	...	752	3	30	...	...	...
Thesis .....	...	...	...	754	3-12	0	754	3-12	4	754	3-12	4
Elementary Production Control .....	...	...	...	761	3	7	761	3	8	...	...	...
Advanced Production Control .....	...	...	...	...	...	...	762	3	0	762	3	16
Production Control Research .....	...	...	...	763	3	10	...	...	...	763	3	5
Industrial Engineering Research .....	...	...	...	900	3-10	3	900	3-10	4	900	3-10	4
JOURNALISM												
News Collecting and News-Writing .....	...	...	...	401	5	58	401	5	32	401	5	22

THE WORK OF INSTRUCTORS—1932-1933—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Students in All Sections Total No. of
News-Collecting and News-Writing.....	...	...	...	402	5	13	402	5	36	402	5	20
Agricultural Journalism.....	...	...	...	407	3	12	407	3	...	407	3	28
Agricultural Journalism.....	...	...	...	...	...	...	408	3	10	...	...	...
Agricultural Editing.....	...	...	...	...	...	...	...	...	...	409	1	0
Copyreading.....	...	...	...	501	3	25	...	...	...	501	3	27
Feature Writing.....	...	...	...	...	...	...	502	3	25	502	3	23
Newspaper Ethics and Principles.....	...	...	...	513	3	34	...	...	...	513	3	20
Newspaper Law.....	...	...	...	514	3	21	...	...	...	514	3	24
Newspaper History and Comparative Journalism.....	...	...	...	...	...	...	517	5	60	...	...	...
Newspaper Organization.....	...	...	...	518	5	36	...	...	...	518	5	22
The Community Paper, Weekly and Daily.....	...	...	...	...	...	...	525	3	17	...	...	...
The Newspaper Business Office.....	...	...	...	526	3	12	...	...	...	526	3	26
Newspaper Problems.....	...	...	...	607	2	28	...	...	...	607	2	10
Newspaper Problems.....	...	...	...	...	...	...	608	2	34	...	...	...
Editorial Writing.....	...	...	...	621	3	25	...	...	...	621	3	16
Public Opinion in the Making.....	...	...	...	...	...	...	622	3	39	...	...	...
Journalism Practice.....	...	...	...	625	2-5	0	625	2-5	0	625	2-5	0
The Newspaper as a Force in Human Progress.....	...	...	...	802	2	0	...	...	...	...	...	...
The Newspaper as a Force in Human Progress.....	...	...	...	...	...	...	803	2	1	...	...	...
The Newspaper as a Force in Human Progress.....	...	...	...	...	...	...	...	...	...	804	2	2
Journalism Seminary.....	...	...	...	808	2	0	...	...	...	...	...	...
Journalism Seminary.....	...	...	...	...	...	...	809	2	0	...	...	...
Journalism Seminary.....	...	...	...	...	...	...	...	...	...	810	2	0
LAW												
Contracts.....	...	...	...	...	12	118	...	12	105	...	12	99
Torts.....	...	...	...	...	9	119	...	9	105	...	9	99
Real Property I.....	...	...	...	...	...	...	...	4	101	...	2	97
Agency.....	...	...	...	...	...	...	...	2	107	...	3	101
Equity I.....	...	...	...	...	...	...	...	...	...	...	4	98
Civil Procedure.....	...	...	...	...	3	117	...	3	103	...	...	...
Personal Property.....	...	...	...	...	3	114	...	...	63	...	2	62
Evidence.....	...	...	...	...	4	61	...	2	...	...	...	...
Equity II.....	...	...	...	...	3	45	...	...	...	...	...	...
Quasi Contracts.....	...	...	...	...	4	45	...	2	47	...	...	...
Security Transactions.....	...	...	...	...	...	...	...	...	...	...	...	...



Debtors Estates	...	...	...	...	...	...	...	...	5	53
Real Property II	...	...	...	...	...	...	...	...	4	53
Domestic Relations	...	...	...	3	40	...	...	...	...	...
Code Pleading	...	...	...	4	25	...	...	...	...	...
Public Utilities	...	...	...	4	52	...	...	...	...	...
Sales	...	...	...	...	...	...	...	...	...	...
W's and Administration	...	...	...	4	18	...	...	...	4	40
Future Interests	...	...	...	...	...	...	...	...	...	...
Legal Ethics	...	...	...	...	...	...	...	...	2	68
Taxation	...	...	...	...	...	...	...	...	...	...
Criminal Law	...	...	...	...	...	...	5	31	...	3
Criminal Procedure	...	...	...	...	...	...	...	...	5	31
Conflict of Laws	...	...	...	2	37	...	2	40	...	2
Legislation	...	...	...	...	...	...	...	...	2	38
Legal Bibliography	...	...	...	2	50	...	...	...	3	9
Negotiable Instruments	...	...	...	...	...	...	...	...	...	...
Appellate Practice	...	...	...	...	...	...	4	51	...	...
Constitutional Law	...	...	...	4	65	...	3	18	...	...
Practice (Trial)	...	...	...	3	31	...	4	62	...	...
Equity III	...	...	...	3	53	...	...	...	...	...
Partnership	...	...	...	3	53	...	...	...	...	...
Trusts	...	...	...	3	64	...	3	62	...	...
Legal Methods	...	...	...	...	...	...	3	11	...	...
International Law	...	...	...	...	...	...	3	7	...	...
Office Practice	...	...	...	...	...	...	2	42	...	...
Private Corporations	...	...	...	...	...	...	3	68	...	3
Municipal Corporations	...	...	...	...	...	...	...	...	3	65
Practice Court	...	...	...	...	...	...	...	...	3	27
Trusts Seminar	...	...	...	2	8	...	2	8	...	2
Constitutional Law Seminar	...	...	...	4	9	...	4	9	...	8
Corporation Finance Seminar	...	...	...	...	...	...	...	...	3	3
<b>MATHEMATICS</b>										
Sub-Freshman Mathematics	...	...	...	400	3	97	...	...	...	...
Solid Geometry	...	...	...	401	0	42	...	...	...	...
Mathematics for Students of Agriculture	...	...	...	407	5	33	407	4	21	407
College Algebra	...	...	...	421	5	440	421	5	180	...
Plane Trigonometry	...	...	...	422	5	28	422	5	106	422
Analytic Geometry	...	...	...	...	...	...	...	...	...	5
Mathematics of Finance	...	...	...	429	5	29	429	5	61	423
Mathematics of Insurance	...	...	...	...	...	...	...	...	...	5
Plane Trigonometry	431	5	29	...	...	...	431	5	269	430
College Algebra	...	...	...	432	5	352	432	5	165	431
Analytic Geometry	433	5	49	433	5	133	...	...	...	5
Elementary Mathematical Statistics	...	...	...	...	...	...	...	...	...	5
Calculus	441	5	30	441	5	283	441	5	103	435
Calculus	...	...	...	...	...	...	442	5	264	442
Calculus	...	...	...	443	5	69	...	...	...	5
Advanced Calculus	...	...	...	501	3	21	...	...	...	...
Differential Equations	...	...	...	...	...	...	502	3	17	...
Vector Analysis	...	...	...	...	...	...	...	...	...	503
Advanced Calculus	...	...	...	601	5	65	...	...	...	3

## THE WORK OF INSTRUCTORS—1932-1933—Continued

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Introduction to the Theory of Functions of a Complex Variable .....	...	...	...	...	...	...	607	5	25	...	...	...
Differential Equations .....	611	5	44	...	...	...	611	5	45	...	...	...
Advanced Euclidian Geometry .....	...	...	...	...	...	...	621	5	26	...	...	...
Projective Geometry .....	623	5	26	...	...	...	...	...	...	623	5	15
Elementary Theory of Equations.....	...	...	...	641	5	29	...	...	...	...	...	...
Vector Analysis .....	...	...	...	...	...	...	...	...	...	661	5	46
Probability .....	691	5	25	691	5	13	...	...	...	...	...	...
Finite Differences .....	...	...	...	...	...	...	692	5	9	...	...	...
Actuarial Theory .....	...	...	...	...	...	...	...	...	...	693	5	0
Advanced Actuarial Theory .....	...	...	...	694	5	0	...	...	...	...	...	...
Mathematical Statistics .....	...	...	...	...	...	...	696	5	0	...	...	...
Statistical Methods of Forecasting.....	...	...	...	...	...	...	...	...	...	697	5	0
Introduction to Analysis, I.....	...	...	...	701	3	16	...	...	...	...	...	...
Introduction to Analysis, II.....	...	...	...	...	...	...	702	3	16	...	...	...
Introduction to Analysis, III.....	...	...	...	...	...	...	...	...	...	703	3	14
Seminary in Mathematics .....	800	3-5	7	800	3-5	5	800	3-5	3	800	3-5	15
Reading and Research .....	801	3-10	11	801	3-10	4	801	3-10	5	801	3-10	8
Methods and Problems in the Theory of Real Functions .....	...	...	...	...	...	...	...	...	...	804	5	8
Functions of a Real Variable.....	...	...	...	805	5	10	...	...	...	...	...	...
Theory of Function of a Complex Variable.....	{ I Autumn II Winter III Spring	...	...	806	5	12	806	5	12	806	5	10
Methods of Analysis, II.....		...	...	...	...	...	815	2-5	11	...	...	...
Calculus of Variations .....		816	5	9	...	...	...	...	...	...	...	...
Differential Geometry, III .....	827	3	14	827	3	11	827	3	14	827	3	12
Modern Theories in Ordinary Differential Equations, I.....	...	...	...	...	...	...	828	5	0	...	...	...
Integral Equations .....	830	5	3	...	...	...	...	...	...	...	...	...
Mathematical Methods in Theoretical Physics, I .....	...	...	...	831	3	30	...	...	...	...	...	...
Mathematical Methods in Theoretical Physics, II .....	...	...	...	...	...	...	832	3	13	...	...	...
Introduction to Higher Algebra.....	...	...	...	851	5	19	...	...	...	...	...	...
Algebraic Invariants .....	...	...	...	...	...	...	852	5	16	...	...	...
Fourier's Series and Spherical Harmonics.....	...	...	...	...	...	...	...	...	...	861	5	9
Tensor Analysis .....	862	5	6	...	...	...	...	...	...	862	5	15



MECHANICAL ENGINEERING									
Heat-Power Engineering	411	2	58	412	2	54	409	3	55
Introduction to Mechanical Engineering	...	...	...	...	...	...	...	...	...
Introduction to Mechanical Engineering	...	...	...	...	...	...	427	3	62
Materials of Engineering	...	...	...	...	...	...	...	...	...
Practical Experience in a Mechanical Engineering Industry (Summer Work)	439	5	18	...	...	...	...	...	...
General Aeronautics	501	3	5	...	...	...	...	...	...
Heat-Power Engineering	507	4	50	507	4	25	...	...	...
Heat-Power Engineering	509	3	48	...	...	...	...	...	...
Machine Design	513	5	22	...	...	...	...	...	...
Machine Design	...	...	...	514	4	43	...	...	...
Machine Design	...	...	...	...	...	...	515	5	40
Mechanical Engineering Laboratory	531	2	17	...	...	...	...	...	...
Mechanical Engineering Laboratory	...	...	...	532	2	15	...	...	...
Mechanical Engineering Laboratory	...	...	...	...	...	...	533	2	13
Heat and Ventilating	551	2	30	...	...	...	...	...	...
Heat and Ventilating	...	...	...	572	4	19	...	...	...
Mechanical Engineering Laboratory	573	4	33	...	...	...	...	...	...
Mechanical Engineering Laboratory	...	...	...	574	4	28	...	...	...
Mechanical Engineering Laboratory	...	...	...	576	2	25	...	...	...
Mechanical Engineering Laboratory	...	...	...	...	...	...	577	2	22
Mechanical Engineering Laboratory	591	4	13	...	...	...	...	...	...
Mechanical Engineering Laboratory	...	...	...	592	4	10	...	...	...
Heating and Ventilating	...	...	...	605	4	0	605	4	57
Heat-Power Engineering	607	5	73	...	...	...	...	...	...
Heat-Power Engineering	...	...	...	608	5	57	...	...	...
Heat-Power Engineering	...	...	...	...	...	...	609	3	54
Mechanism	614	4	73	...	...	...	...	...	...
Mechanism Drawing	...	...	...	616	2	61	...	...	...
Mechanical Engineering Laboratory	617	2	27	...	...	...	...	...	...
Internal Combustion Engines	...	...	...	...	...	...	625	3	44
Inspection Trip to the West	...	...	...	...	...	...	630	...	51
A. S. M. E. Student-Branch Meetings	651	1/2	60	...	...	...	...	...	...
A. S. M. E. Student-Branch Meetings	...	...	...	652	1/2	60	...	...	...
A. S. M. E. Student-Branch Meetings	...	...	...	...	...	...	653	1/2	52
Mechanical Engineering Laboratory	...	...	...	664	3	53	...	...	...
Mechanical Engineering Laboratory	...	...	...	...	...	...	665	3	51
Automotive Engineering	...	...	...	704	3	27	...	...	...
Automotive Engineering	...	...	...	...	...	...	705	3	23
Heating and Ventilating Design	...	...	...	...	...	...	707	3	0
Air-Compressing and Refrigerating Machinery	...	...	...	715	3	0	...	...	...
Diesel Engines	...	...	...	...	...	...	725	3	15
Machine Design	727	5	63	...	...	...	...	...	...
Machine Design	...	...	...	728	5	63	...	...	...
Inspection Trip to the East	...	...	...	...	...	...	730	...	38
Hydraulic Machinery	742	3	35	742	3	12	...	...	...
Machine Design	...	...	...	...	...	...	743	3	19
Machine Design	...	...	...	...	...	...	744	5	41
Steam Turbines	...	...	...	746	3	13	...	...	...
Thesis Work	748	3 or more	4	748	3 or more	8	748	3 or more	12
A. S. M. E. Student-Branch Meetings	751	1/2	44	...	...	...	...	...	...

THE WORK OF INSTRUCTORS—1932-1933—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
A. S. M. E. Student-Branch Meetings	...	...	...	...	...	...	752	½	42	...	...	...
A. S. M. E. Student-Branch Meetings	...	...	...	...	...	...	...	...	...	753	½	38
Hydraulic Power	...	...	...	...	...	...	754	3	0	...	...	...
Aeronautical and Automotive Engines	...	...	...	756	3	18	...	...	...	...	...	...
Aerodynamics	...	...	...	...	...	...	757	3	8	...	...	...
Airplane Design	...	...	...	...	...	...	...	...	...	758	3	4
Aerodynamics	...	...	...	...	...	...	...	...	...	759	3	4
Airplane Design	...	...	...	...	...	...	...	...	...	760	2	0
Air Transportation	...	...	...	...	...	...	762	3	0	...	...	...
Mechanical Engineering Laboratory	...	...	...	779	3	38	...	...	...	...	...	...
Mechanical Engineering Laboratory	...	...	...	...	...	...	780	3	20	...	...	...
Mechanical Engineering Laboratory	...	...	...	...	...	...	...	...	...	...	...	...
Automotive Engineering Laboratory	...	...	...	...	...	...	782	3	21	...	...	...
Automotive Engineering Laboratory	...	...	...	...	...	...	...	...	...	783	3	19
Hydraulic Power Laboratory	...	...	...	...	...	...	...	...	...	785	3	0
Aeronautical Laboratory	...	...	...	...	...	...	...	...	...	787	3	0
Research Work	...	...	...	801	...	4	...	...	...	...	...	...
Research Work	...	...	...	...	...	...	802	...	4	...	...	...
Research Work	...	...	...	...	...	...	...	...	...	803	...	7
Gas Power and Design	...	...	...	805	2-5	0	...	...	...	...	...	...
Gas Power and Design	...	...	...	...	...	...	806	2-5	0	...	...	...
Gas Power and Design	...	...	...	...	...	...	...	...	...	807	2-5	0
Gas Power and Laboratory Work	...	...	...	811	2-6	0	...	...	...	...	...	...
Gas Power and Laboratory Work	...	...	...	...	...	...	812	2-6	0	...	...	...
Gas Power and Laboratory Work	...	...	...	...	...	...	...	...	...	813	2-6	0
Steam Power Plants, Economics and Design	...	...	...	815	3-5	0	...	...	...	...	...	...
Steam Power Plants, Economics and Design	...	...	...	...	...	...	816	3-5	0	...	...	...
Steam Power Plants, Economics and Design	...	...	...	...	...	...	...	...	...	817	3-5	0
Advanced Machine Design	...	...	...	821	2-5	1	...	...	...	...	...	...
Advanced Machine Design	...	...	...	...	...	...	822	2-5	1	...	...	...
Advanced Machine Design	...	...	...	...	...	...	...	...	...	823	2-5	2
Mechanical Vibrations	...	...	...	825	3	0	825	3	5	825	3	0
Advanced Aeronautics	...	...	...	831	...	0	...	...	...	...	...	...
Advanced Aeronautics	...	...	...	...	...	...	832	...	0	...	...	...
Advanced Aeronautics	...	...	...	...	...	...	...	...	...	833	...	0
MECHANICS												
Statics	...	...	...	...	...	...	501	5	12	...	...	...
Strength of Materials	...	...	...	...	...	...	...	...	...	502	5	10
Statics	...	...	...	503	5	10	...	...	...	503	5	91



Statics .....	601	5	187	601	5	49	602	5	84
Strength of Materials .....	602	5	80	602	5	160	605	2	168
Strength of Materials .....	605	2	55	605	2	68	605	2	168
Dynamics and Hydraulics .....	607	3	58	607	3	73	607	3	185
Advanced Theoretical Mechanics .....	801	3	7	...	...	...	...	...	...
Advanced Theoretical Mechanics .....	...	...	...	802	3	5	...	...	...
Advanced Theoretical Mechanics .....	...	...	...	...	...	...	803	3	4

#### MEDICINE

Introduction to Clinical Medicine .....	600	1	100	...	...	...	601	2	88
Medical Law .....	...	...	...	...	...	...	601	3	91
Physical Diagnosis .....	...	...	...	...	...	...	...	...	...
Medicine, General and Clinical .....	602	5	92	...	...	...	...	...	...
Medicine, General and Clinical .....	...	...	...	603	5	92	...	...	...
Medicine, General and Clinical .....	...	...	...	...	...	...	604	5	86
Nervous Diseases .....	605	3	92	...	...	...	...	...	...
Dermatology .....	...	...	...	...	...	...	606	3	86
Genito-Urinary Diseases .....	...	...	...	607	3	88	...	...	...
Medicine: Special Topics, Ethics, etc. ....	608	1	84	...	...	...	...	...	...
Medicine: Special Topics, Ethics, etc. ....	...	...	...	609	1	90	...	...	...
Medicine: Special Topics, Ethics, etc. ....	...	...	...	...	...	...	610	1	86
Psychiatry .....	...	...	...	611	1	88	...	...	...
Pediatrics, Didactic .....	612	2	92	...	...	...	...	...	...
Therapeutics .....	...	...	...	...	...	...	614	2	86
Pediatrics, Didactic and Clinical .....	615	2	84	...	...	...	...	...	...
Pediatrics, Didactic and Clinical .....	...	...	...	616	2	88	...	...	...
Pediatrics, Didactic and Clinical .....	...	...	...	...	...	...	617	2	88
Tuberculosis .....	...	...	...	619	2	40	...	...	...
Syphilology .....	...	...	...	...	...	...	623	2	65
Clinical Medicine .....	...	...	...	625	2	86	...	...	...
Genetics .....	...	...	...	...	...	...	626	1	83
Visceral Neurology .....	...	...	...	630	2	14	...	...	...
Localization in the Nervous System .....	...	...	...	...	...	...	631	2	3
Medicine (Elective—no number or title as yet) .....	...	...	...	...	...	...	...	...	30

#### METALLURGY

Elementary Fuel Testing .....	401	2	15	...	...	...	...	...	...
Metallurgical Analysis .....	...	...	...	405	5	12	...	...	...
Metallurgical Analysis .....	...	...	...	...	...	...	406	5	12
Fire Assaying .....	...	...	...	410	3	13	410	3	9
Metallurgical Analysis .....	451	3	25	451	3	1	...	...	...
Ceramic Analysis .....	...	...	...	452	4	13	...	...	...
Ceramic Analysis .....	...	...	...	...	...	...	453	4	11
Metallurgical Analysis .....	...	...	...	454	4	6	...	...	...
Iron and Steel Metallurgy .....	605	3	17	...	...	...	...	...	...
Principles of Metallography .....	606	3	16	...	...	...	...	...	...
Inspection of Commercial Metals .....	...	...	...	...	...	...	607	3	0
Calorimetry and Advanced Fuel Analysis .....	...	...	...	608	3	4	...	...	...
Non-Ferrous Metallurgy .....	...	...	...	...	...	...	610	5	19
Principles of Ore Dressing .....	620	5	12	...	...	...	...	...	...
Inspection Trip .....	...	...	...	...	...	...	645	...	8
Pyrometry .....	650	2	9	650	2	14	...	...	...
Fuels .....	651	3	89	651	3	52	...	...	...

## THE WORK OF INSTRUCTORS—1932-1933—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Gas Testing and Calorimetry.....	...	...	...	652	1	57	...	...	...	...	...	...
Technical Gas and Fuel Analysis.....	...	...	...	...	...	...	655	3	0	...	...	...
General Metallurgy.....	...	...	...	...	...	...	701	4	11	665	5	45
Advanced Metallography.....	...	...	...	...	...	...	705	4	14	...	...	...
Heat Treatment and Special Steels.....	...	...	...	702	4	13	...	...	...	706	4	10
Metallurgical Construction.....	...	...	...	...	...	...	709	5	0	...	...	...
Metallurgical Construction.....	...	...	...	...	...	...	710	3-5	10	710	3-5	8
The Principles of Gas Engineering.....	...	...	...	710	3-5	7	711	5	5	711	5	10
Metallurgical Investigations.....	...	...	...	711	5	1	720	3	7	725	5-6	7
Metallurgical Investigations.....	...	...	...	...	...	...	725	5-6	3	...	...	...
Ore Dressing.....	...	...	...	725	5-6	3	802	5-10	16	...	...	...
Thesis.....	...	...	...	801	5-10	14	...	...	...	803	5-10	15
Advanced Metallurgical Research.....	...	...	...	...	...	...	...	...	...	...	...	...
Advanced Metallurgical Research.....	...	...	...	...	...	...	...	...	...	...	...	...
Advanced Metallurgical Research.....	...	...	...	...	...	...	...	...	...	...	...	...
MINE ENGINEERING												
Mine Surveying.....	...	...	...	401	5	20	...	...	...	...	...	...
Mine Surveying.....	...	...	...	...	...	...	...	...	...	406	4	8
Surveying.....	...	...	...	...	...	...	...	...	...	501	5	19
Prospecting and Preliminary Operations.....	...	...	...	...	...	...	601	5	13	...	...	...
Inspection Trip.....	...	...	...	...	...	...	...	...	...	630	2	2
Development and Methods of Mining.....	...	...	...	...	...	...	...	...	...	701	3	5
Mine Operations.....	...	...	...	702	5	7	...	...	...	...	...	...
Mine Examinations and Reports.....	...	...	...	...	...	...	703	5	6	...	...	...
Mine Design.....	...	...	...	711	5	1	711	5	4	711	5	1
Petroleum Engineering.....	...	...	...	721	3	5	...	...	...	...	...	...
Petroleum Engineering.....	...	...	...	...	...	...	722	3	4	...	...	...
Petroleum Engineering.....	...	...	...	...	...	...	...	...	...	723	3	1
Thesis.....	...	...	...	741	5	0	741	5	0	741	5	2
Mine Investigations.....	...	...	...	750	3-5	4	750	3-5	3	750	3-5	3
Principles of Mining.....	...	...	...	...	...	...	...	...	...	760	3	11
Explosives and Rock Work.....	...	...	...	...	...	...	761	3	7	...	...	...
Mine Investigations.....	...	...	...	...	...	...	802	...	0	...	...	...
Mine Investigations.....	...	...	...	...	...	...	...	...	...	803	...	1
MINERALOGY												
Precious and Ornamental Stones.....	...	...	...	400	2	0	...	...	...	...	...	...
Crystallography and Descriptive Mineralogy.....	...	...	...	401	3	106	401	3	27	401	3	12
Descriptive Mineralogy.....	...	...	...	402	3	12	402	3	80	402	3	16



Determinative Mineralogy .....	...	...	...	...	...	404	3	0	404	3	9
Advanced Crystallography .....	...	...	...	...	...	...	...	...	601	5	12
Thermochemical Mineralogy .....	...	...	605	3	29	...	...	...	605	4	25
Advanced Thermochemical Mineralogy .....	...	...	...	...	...	606	3	32	...	...	...
Elementary Microscopic Petrography .....	...	...	...	...	...	...	...	...	611	4	19
Microscopic Mineralogy .....	...	...	621	5	35	...	...	...	...	...	...
Mineralogical Investigations .....	...	...	631	3-5	7	631	3-5	23	631	3-5	6
Thesis .....	...	...	...	...	...	741	5-6	1	741	5-6	2
Research in Mineralogy and Petrography .....	...	...	801	...	0	...	...	...	...	...	...
Research in Mineralogy and Petrography .....	...	...	...	...	...	802	...	2	...	...	...
Research in Mineralogy and Petrography .....	...	...	...	...	...	...	...	...	803	...	3

# MUSIC

Rural School Music and County Supervision, I	331	2	12	...	...	...	...	...	...	...	...	
Rural School Music and County Supervision, II	332	2	7	...	...	...	...	...	...	...	...	
History and Appreciation, I	430	4	20	...	...	...	430	4	57	...	...	
History and Appreciation, II	431	4	10	...	...	...	...	...	...	431	4	49
Music Education, I	442	3	12	442	3	45	...	...	...	...	...	...
Music Education, II	443	3	16	...	...	...	...	...	...	443	3	40
The Teaching of Elementary School Music	447	2	16	447	2	52	...	...	...	...	...	...
The Teaching of Elementary School Music	448	3	13	...	...	...	...	...	...	448	3	43
The Teaching of Music Appreciation in the Elementary Grades	449	2	33	...	...	...	449	2	39	...	...	...
Song Literature for Elementary Grades	450	2	34	...	...	...	450	2	38	...	...	...
Conducting, I	459	1	23	...	...	...	459	1	42	...	...	...
Harmony	460	3	7	460	3	43	...	...	...	...	...	...
Harmony	...	...	...	...	...	...	461	3	42	...	...	...
Harmony	...	...	...	...	...	...	...	...	...	462	3	36
Advanced Harmony	463	3	3	463	3	38	...	...	...	...	...	...
Harmonic Analysis	465	3	5	...	...	...	465	3	31	...	...	...
Form	468	3	4	...	...	...	...	...	...	468	3	30
Elementary Sight Singing and Ear Training	476	3	13	476	3	54	...	...	...	...	...	...
Elementary Sight Singing and Ear Training	478	3	8	...	...	...	478	3	43	...	...	...
Elementary Sight Singing and Ear Training	...	...	...	...	...	...	...	...	...	479	3	41
Elementary Sight Singing and Ear Training	...	...	...	480	4	15	...	...	...	...	...	...
Intermediate Sight Singing and Ear Training	482	3	17	482	3	39	482	3	4	...	...	...
Intermediate Sight Singing and Ear Training	483	3	11	...	...	...	483	3	13	483	3	18
Advanced Sight Singing and Ear Training	485	1	6	485	1	23	485	1	7	...	...	...
Advanced Sight Singing and Ear Training	486	1	6	...	...	...	486	1	7	486	1	20
Applied Music	501	1-2	16	501	1-2	59	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	502	1-2	51	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	503	1-2	48
Applied Music	504	1	6	504	1	30	...	...	...	...	...	...
Applied Music	505	1	2	...	...	...	505	1	30	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	506	1	21
Applied Music	...	...	...	507	1	22	...	...	...	...	...	...
Applied Music	508	1	11	...	...	...	508	1	23	...	...	...
Applied Music	509	1	13	...	...	...	...	...	...	509	1	17
Applied Music	510	1	17	510	1	31	...	...	...	...	...	...
Applied Music	511	1	3	...	...	...	511	1	32	...	...	...
Applied Music	512	1	4	...	...	...	...	...	...	512	1	34
Applied Music	...	...	...	513	1	66	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	514	1	73	...	...	...

THE WORK OF INSTRUCTORS—1932-1933—Continued

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Applied Music	...	...	...	...	...	...	...	...	...	515	1	68
Applied Music	520	1	10	520	1	10	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	521	1	22	...	...	...
Applied Music	...	...	...	522	1	1	...	...	...	522	1	25
Applied Music	525	1	2	525	1	11	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	526	1	17	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	527	1	23
Applied Music	...	...	...	530	1	5	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	531	1	6	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	532	1	5
Applied Music	...	...	...	533	1	1	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	534	1	1	535	1	1
Applied Music	...	...	...	536	1	3	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	537	1	3	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	538	1	3
Applied Music	...	...	...	540	2	3	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	541	2	2	542	2	1
Applied Music	...	...	...	545	3	0	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	546	3	1	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	547	3	1
Applied Music	...	...	...	550	4	2	...	...	...	...	...	...
Applied Music	...	...	...	...	...	...	551	4	2	...	...	...
Applied Music	...	...	...	...	...	...	...	...	...	552	4	1
Applied Music	...	...	...	...	...	...	555	1	7	555	1	8
Small Ensembles	...	...	...	555	1	15	...	...	...	...	...	...
The Romanticists	601	4	17	601	4	26	...	...	...	...	...	...
Wagner and the Music Drama	...	...	...	602	3	17	...	...	...	...	...	...
Modern Music	...	...	...	...	...	...	603	4	40	...	...	...
History of Choral Music	605	3	8	...	...	...	...	...	...	605	3	12
Music in the Junior High School	610	3	16	610	3	30	...	...	...	...	...	...
High School Music	611	3	34	...	...	...	...	...	...	611	3	31
Supervision of Music in Elementary Schools	612	3	16	612	3	0	...	...	...	...	...	...
Supervision of Music in Secondary School	613	3	10	...	...	...	...	...	...	613	3	0
Methods of Class Instruction in Voice	...	...	...	617	1	2	...	...	...	...	...	...
Methods of Class Instruction in Voice	...	...	...	...	...	...	618	1	0	...	...	...
Methods of Class Instruction in Voice	...	...	...	...	...	...	...	...	...	619	1	0
Methods of Class Instruction in Piano, I.	...	...	...	...	...	...	627	3	8	...	...	...
Methods of Class Instruction in Piano, II.	...	...	...	628	2	1	628	2	0	628	2	3
Instrumentation	630	3	10	630	3	22	...	...	...	...	...	...



Instrumentation .....	632	3	11	...	...	632	3	24	...	635	3	5
Instrumentation .....	...	...	...	...	...	...	...	...	...	...	...	...
Organization of the School Band and Orchestra: Conducting, I.....	642	2	11	...	...	642	2	31	...	...	...	...
Band and Orchestra Materials: Advanced Conducting, III .....	643	3	4	...	...	...	...	...	643	3	16	...
Advanced Vocal Conducting .....	646	3	24	...	...	...	...	8	...	...	...	13
Minor Problems .....	650	1-5	9	650	1-5	5	650	1-5	8	650	1-5	13
University Chorus .....	A	1	108	A	1	398	A	1	334	A	1	301
University Chorus .....	B	1	35	B	1	85	B	1	84	B	1	86
The University Marching Bands .....	...	...	...	C	1	32	C	1	14	C	1	15
The University Band .....	...	...	...	D	1	77	D	1	83	D	1	84
Women's Glee Club .....	...	...	...	E	0	80	E	0	66	E	0	66
Departmental Orchestra .....	...	...	...	F	1	54	F	1	42	F	1	50
Men's Glee Club .....	...	...	...	G	0	101	G	0	105	G	0	86
Military Science Band .....	...	...	...	...	...	212	...	...	182	...	...	164
NURSING												
Elementary Nursing .....	...	...	...	401	5	13	...	...	...	401	5	5
Elementary Nursing .....	402	3	36	...	...	...	402	3	8	402	3	0
Medical Nursing: Medical Diseases .....	...	...	...	410	3	36	...	...	...	...	...	...
Medical Nursing: Pediatrics .....	...	...	...	413	3	0	...	...	...	413	3	0
Medical Nursing: Communicable Diseases .....	...	...	...	...	...	...	...	...	...	416	3	18
Medical Nursing: Nervous and Mental Diseases .....	...	...	...	418	1	23	...	...	...	...	...	...
Medical Nursing: Dermatology .....	...	...	...	420	1	30	...	...	...	...	...	...
Surgical Nursing: Surgical Diseases .....	...	...	...	425	3	39	...	...	...	...	...	...
Surgical Nursing: Gynecology and Genito-Urinary Diseases .....	...	...	...	...	...	...	428	2	38	...	...	...
Surgical Nursing: Orthopedics .....	...	...	...	...	...	...	...	...	...	430	1	37
Surgical Nursing: Diseases of the Eye .....	...	...	...	...	...	...	...	...	...	432	1	35
Surgical Nursing: Diseases of Ear, Nose and Throat .....	...	...	...	...	...	...	...	...	...	433	1	39
Obstetrical Nursing .....	...	...	...	435	3	31	...	...	...	...	...	...
Ethics and History of Nursing .....	450	2	36	...	...	...	450	2	39	...	...	...
Survey of Nursing .....	455	1	36	...	...	...	455	1	22	...	...	...
Professional Problems .....	...	...	...	...	...	...	460	1	22	...	...	...
Introduction to Institutional Work .....	...	...	...	...	...	...	...	...	...	470	1	25
Case Studies .....	...	...	...	...	...	...	...	...	...	480	1	1
Public Sanitation .....	...	...	...	...	...	...	490	2	11	...	...	...
Nursing Practice .....	...	...	...	501	3	13	...	...	...	501	3	7
Nursing Practice .....	502	5	38	...	...	...	502	5	10	...	...	...
Nursing Practice .....	503	7	2	503	7	9	506	7	1	503	7	10
Nursing Practice .....	504	7	26	504	7	0	504	7	10	504	7	3
Nursing Practice .....	505	7	1	505	7	22	505	7	2	505	7	9
Nursing Practice .....	506	7	4	506	7	3	506	7	22	506	7	2
Nursing Practice .....	507	7	2	507	7	7	507	7	2	507	7	23
Nursing Practice .....	508	7	21	508	7	4	508	7	5	508	7	0
Nursing Practice .....	509	7	0	509	7	19	509	7	5	509	7	4
Nursing Practice .....	510	7	3	510	7	0	510	7	10	510	7	1
Nursing Practice .....	511	7	1	511	7	1	511	7	0	511	7	7
Nursing Practice .....	512	7	30	512	7	2	512	7	3	512	7	0

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
OBSTETRICS												
Obstetrics, Normal	...	...	...	...	...	...	601	3	86	...	...	...
Obstetrics, Abnormal	...	...	...	...	...	...	...	...	...	602	3	86
Obstetrics, Pathological	...	...	...	603	3	90	...	...	...	...	...	...
Obstetrics, Pathological	...	...	...	...	...	...	604	3	88	...	...	...
Clinical Obstetrics	605	4	22	605	4	22	605	4	22	605	4	22
Advanced Obstetrics	...	...	...	701	5-15	0	701	5-15	0	701	5-15	0
OPHTHALMOLOGY												
Ophthalmology	...	...	...	601	3	88	...	...	...	...	...	...
Pathology of the Eye	...	...	...	...	...	...	...	...	...	622	2	10
OTO-LARYNGOLOGY												
Oto-Laryngology	...	...	...	...	...	...	602	3	86	...	...	...
PATHOLOGY												
Elementary Pathology	...	...	...	...	...	...	...	...	...	401	2	27
Pathology of the Eye	...	...	...	460	3	With 650	...	...	...	...	...	...
Pathology of the Eye	...	...	...	...	...	...	461	3	0	...	...	...
General Pathology	...	...	...	600	1	86	...	...	...	600	1	91
General Pathology	...	...	...	...	...	...	601	3	82	...	...	...
Special Pathology	...	...	...	...	...	...	...	...	...	602	5	83
Clinical Pathology	...	...	...	603	3	81	...	...	...	...	...	...
Clinical Pathology	...	...	...	...	...	...	604	3	82	...	...	...
Surgical Pathology	...	...	...	...	...	...	...	...	...	605	2	44
Medical Pathology	...	...	...	...	...	...	...	...	...	606	2	42
Post-Mortem Demonstration	...	...	...	607	1	30	607	1	25	607	1	30
Advanced Pathology	...	...	...	608	3-5	7	...	...	...	...	...	...
Advanced Pathology	...	...	...	...	...	...	609	3-5	7	...	...	...
Advanced Pathology	...	...	...	...	...	...	...	...	...	610	3-5	9
Advanced Special Pathology	...	...	...	611	3-5	1	...	...	...	...	...	...
Advanced Special Pathology	...	...	...	...	...	...	612	3-5	3	...	...	...
Advanced Special Pathology	...	...	...	...	...	...	...	...	...	613	3-5	1
Experimental Pathology	...	...	...	...	...	...	614	3-5	0	...	...	...
Experimental Pathology	...	...	...	...	...	...	...	...	...	615	3-5	0
Advanced Clinical Pathology	...	...	...	616	3	12	...	...	...	...	...	...
Advanced Clinical Pathology	...	...	...	...	...	...	617	3	18	...	...	...
Advanced Clinical Pathology	...	...	...	...	...	...	...	...	...	618	3	16
Neuropathology	...	...	...	619	1	0	...	...	...	...	...	...



Neuropathology .....	...	...	...	...	620	1	0	...	...	...
Neuropathology .....	...	...	...	...	Incl. 460	...	...	621	1	0
General Pathology .....	...	...	...	650	3	64	...	...	...	...
General Pathology .....	...	...	...	...	...	651	3	59	...	...
Dental Pathology .....	...	...	...	...	...	...	...	652	2	42
Clinical Pathology .....	...	...	...	653	3	0	...	...	...	...
Clinical Pathology .....	...	...	...	...	...	654	3	0	...	...
Pathology Lectures .....	...	...	...	660	1	0	...	...	...	...
General Pathology .....	...	...	...	...	...	661	3	3	...	...
Special Pathology .....	...	...	...	...	...	...	...	662	5	2
Pathologic Technique .....	...	...	...	...	...	666	3	0	...	...
Pathologic Technique .....	...	...	...	...	...	...	...	667	3	0
Research in Pathology .....	...	...	...	810	3-5	2	...	...	...	...
Research in Pathology .....	...	...	...	...	...	811	3-5	1	...	...
Research in Pathology .....	...	...	...	...	...	...	...	812	3-5	3
Research in Clinical Pathology .....	...	...	...	813	3	0	...	...	...	...
Research in Clinical Pathology .....	...	...	...	...	...	814	3	0	...	...
Research in Clinical Pathology .....	...	...	...	...	...	...	...	815	3	1
PHARMACY										
Pharmacy Survey .....	...	...	...	400	1	40	...	...	...	...
Pharmacy .....	...	...	...	401	5	26	401	5	10	...
Pharmacy .....	...	...	...	...	...	...	402	5	27	402
Pharmacy .....	...	...	...	403	5	8	...	...	...	403
Pharmacy .....	...	...	...	404	5	20	404	5	8	...
Pharmacy .....	...	...	...	...	...	...	405	5	15	405
Pharmacy .....	...	...	...	406	5	9	...	...	...	406
Materia Medica .....	...	...	...	407	3	27	407	3	0	...
Materia Medica .....	...	...	...	...	...	...	408	3	27	408
Materia Medica .....	...	...	...	409	3	0	...	...	...	409
Pharmaceutical Analysis .....	...	...	...	410	5	28	410	5	0	...
Pharmaceutical Analysis .....	...	...	...	...	...	...	411	5	28	411
Pharmaceutical Analysis .....	...	...	...	412	5	0	...	...	...	412
Pharmacognosy: Microscopical .....	...	...	...	416	3	27	416	3	0	...
Pharmacognosy: Microscopical .....	...	...	...	...	...	...	417	3	27	417
Pharmacognosy: Microscopical .....	...	...	...	418	3	0	...	...	...	418
Toxicology .....	...	...	...	...	...	...	...	...	...	419
Pharmacognosy: Commercial .....	...	...	...	422	5	25	...	...	...	422
Pharmacy: Commercial .....	...	...	...	...	...	...	423	3	20	...
Pharmacy: Commercial .....	...	...	...	...	...	...	...	...	...	424
Pharmaceutical Arithmetic .....	...	...	...	425	3	48	425	3	11	...
Pharmaceutical Arithmetic .....	...	...	...	...	...	...	426	3	41	426
Pharmacy: Applied .....	...	...	...	427	3	8	...	...	...	427
Current Pharmaceutical and Technical Literature .....	...	...	...	428	2	16	...	...	...	428
Pharmaceutical Arithmetic .....	...	...	...	429	3	8	...	...	...	429
Pharmaceutical Latin .....	...	...	...	430	5	0	...	...	...	430
Thesis .....	...	...	...	431	3	25	...	...	...	...
Thesis .....	...	...	...	...	...	...	432	3	29	...

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
<b>PHILOSOPHY</b>												
Introduction to Philosophy.....	401	5	32	401	5	34	401	5	31	401	5	58
Elementary Logic .....	...	...	...	402	5	20	402	5	27	402	5	57
Elementary Ethics .....	405	5	33	405	5	24	405	5	21	405	5	45
Ancient Philosophy .....	601	5	16	601	5	28	...	...	...	...	...	...
Modern Philosophy .....	602	5	16	...	...	...	602	5	27	...	...	...
Contemporary Philosophy .....	...	...	...	...	...	...	...	...	...	603	5	9
Philosophy and Poetry .....	...	...	...	608	3	7	...	...	...	...	...	...
Medieval Philosophy .....	...	...	...	...	...	...	609	3	0	...	...	...
Origin and Development of Religious Ideas...	...	...	...	...	...	...	611	5	30	...	...	...
Aristotle and Plotinus .....	...	...	...	...	...	...	...	...	...	624	5	4
Nineteenth Century Empiricists .....	...	...	...	627	3	1	...	...	...	...	...	...
Elements of Symbolic Logic .....	...	...	...	...	...	...	...	...	...	650	3	0
Philosophy of Science .....	...	...	...	652	5	7	...	...	...	...	...	...
Philosophy of Religion .....	...	...	...	...	...	...	...	...	...	653	5	25
Esthetics .....	...	...	...	...	...	...	655	5	15	...	...	...
Principles of Social Ethics.....	...	...	...	...	...	...	...	...	...	656	3	9
Ethical Problems Underlying the Profession..	...	...	...	...	...	...	658	5	2	...	...	...
Minor Problems .....	660	2-10	6	660	2-10	2	660	2-10	2	660	2-10	6
Metaphysics of Knowledge and Nature.....	...	...	...	661	3	4	...	...	...	...	...	...
Metaphysics of Personality and Values.....	...	...	...	...	...	...	662	3	0	...	...	...
Seminary in Systematic Philosophy.....	...	...	...	801	5	4	...	...	...	...	...	...
Seminary in Systematic Philosophy.....	...	...	...	...	...	...	802	5	5	...	...	...
Seminary in Systematic Philosophy.....	...	...	...	...	...	...	...	...	...	803	5	3
Seminary in Systematic Philosophy.....	804	5	1	...	...	...	...	...	...	...	...	...
Research .....	808	3-10	4	...	...	...	...	...	...	...	...	...
Research .....	...	...	...	809	3-10	5	...	...	...	...	...	...
Research .....	...	...	...	...	...	...	810	3-10	9	...	...	...
Research .....	...	...	...	...	...	...	...	...	...	811	3-10	5
<b>PHONETICS</b>												
Speech Correction .....	...	...	...	400	0	0	400	0	0	400	0	0
Elements of Speech .....	...	...	...	401	5	41	401	5	40	401	5	43
General Phonetics: Physiological .....	...	...	...	403	5	16	...	...	...	...	...	...
General Phonetics: Practical .....	...	...	...	...	...	...	407	5	31	...	...	...
Physiology and Hygiene of Voice.....	...	...	...	...	...	...	...	...	...	413	5	40
English Phonetics .....	...	...	...	...	...	...	610	3	1	...	...	...
Americanization Phonetics .....	...	...	...	615	3-5	2	615	3-5	0	615	3-5	6
Speech and Hearing .....	...	...	...	625	3-6	7	625	3-5	6	625	3-6	11



Technique of Speech Correction in Elementary Schools .....	635	5	4	635	5	6	630	5	21
Work with the Deaf and Hard of Hearing .....	635	5	4	635	5	6	635	5	16
Correction of Stammering and Stuttering .....	640	5	13	640	5	13	700	3-5	5
Minor Research: Human Speech .....	700	3-5	3	700	3-5	22	700	3-5	5
Phonetic Research: Major Problems .....	800	3-5	2	800	3-5	3	800	3-5	5

# PHOTOGRAPHY

Photography .....	611	3	19	611	3	19	611	3	43
Advanced Photography .....	750	3	8	750	3	8	750	3	8

# PHYSICAL EDUCATION—MEN

Hygiene .....	400	1	700	400	1	541	400	1	343
Physical Education .....	401	1	1647	401	1	1647	401	1	1647
Physical Education .....	402	1	1424	402	1	1424	402	1	1424
Physical Education .....	403	1	1291	403	1	1291	403	1	1291
Hygiene .....	410	3	33	410	3	33	410	3	33
Theory and Practice of Physical Education (Men) .....	441	2	38	441	2	38	441	2	38
Theory and Practice of Physical Education (Men) .....	442	2	34	442	2	34	442	2	34
Theory and Practice of Physical Education (Men) .....	443	2	42	443	2	42	443	2	42
Theory and Practice of Physical Education (Men) .....	445	3	29	445	3	29	445	3	29
Theory and Practice of Physical Education (Men) .....	446	3	16	446	3	16	446	3	16
Theory and Practice of Physical Education (Men) .....	447	3	25	447	3	25	447	3	25
Theory and Practice of Physical Education (Men) .....	449	3	33	449	3	33	449	3	33
Theory and Practice of Physical Education (Men) .....	450	3	15	450	3	15	450	3	15
Theory and Practice of Physical Education (Men) .....	451	3	13	451	3	13	451	3	13
Theory and Practice of Physical Education for High Schools .....	452	3	17	452	3	17	452	3	17
Dancing for Boys .....	467	2	6	467	2	6	467	2	6
Tumbling, Stunts and Self-testing Activities .....	468	2	18	468	2	18	468	2	18
Group Games for Boys .....	469	2	15	469	2	15	469	2	15
Play and Playground .....	482	2	15	482	2	15	482	2	15
Physical Examinations and Therapeutic Gymnastics .....	493	5	20	493	5	20	493	5	20
The Teaching of Swimming .....	498	2	32	498	2	32	498	2	32
Physical Education .....	525	1	401	525	1	401	525	1	401
Physical Education .....	526	1	402	526	1	402	526	1	402
Physical Education .....	527	1	403	527	1	403	527	1	403
Physical Education .....	528	1	401	528	1	401	528	1	401

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
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Physical Education .....	...	...	...	...	...	...	529	1	See 402	...	...	See 403
Physical Education .....	...	...	...	...	...	...	...	...	...	530	1	...
Principles of Football Coaching and Management .....	601	3	22	...	...	...	...	...	See Women	...	...	...
Principles of Physical Education .....	621	5	See Women	...	...	...	621	5	See Women	...	...	...
Tests and Measurements in Physical Education and Health .....	625	3	37	...	...	...	625	3	12	...	...	...
Supervision of Health and Physical Education .....	626	3	19	626	3	7	...	...	...	...	...	...
Individual Physical Education .....	...	...	...	630	3	2	...	...	...	630	3	0
Principles of Health Education .....	643	3	36	643	3	39	...	...	...	...	...	...
Methods of Health Instruction .....	644	3	See Women	...	...	...	644	3	See Women	...	...	...
Administration of Physical and Health Education for Administrators and Supervisors .....	645	3	7	...	...	...	...	...	...	...	...	...
Camping: Its Organization and Administration .....	...	...	...	...	...	...	...	...	...	649	3	15
Minor Problems in Physical Education .....	651	1-4	18	651	1-4	4	651	1-4	1	651	1-4	2
Organization and Administration of Physical Education .....	682	5	21	...	...	...	682	5	36	...	...	...
History of Physical Education .....	...	...	...	...	...	...	683	3	8	...	...	...
Prevention and Care of Injuries .....	...	...	...	685	3	22	...	...	...	...	...	...
Kinesiology .....	...	...	...	691	3	26	...	...	...	...	...	...
Hygiene and School Health Problems .....	...	...	...	...	...	...	...	...	...	692	3	38
Seminar in Physical Education and Health .....	...	...	...	801	2	11	801	2	12	801	2	0
Scientific Studies in Physical Education .....	810	3	16	810	3	9	810	3	0	803	...	10
Major Research .....	...	...	...	850	3 or more	6	850	3 or more	5	810	3	0
.. PHYSICAL EDUCATION—WOMEN	...	...	...	...	...	...	...	...	...	850	3 or more	3
Hygiene .....	...	...	...	400	1	265	400	1	287	400	5	161
Hygiene .....	...	...	...	...	...	...	...	...	...	410	3	23
Physical Education .....	...	...	...	421	1	713	...	...	...	...	...	...
Physical Education .....	...	...	...	...	...	...	422	1	593	...	...	...
Physical Education .....	...	...	...	...	...	...	...	...	...	423	1	537
Physical Education .....	...	...	...	425	1	678	...	...	...	...	...	...
Physical Education .....	...	...	...	...	...	...	426	1	635	...	...	...





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Seminar in Physical Education and Health....	...	...	...	...	...	...	801	2	See Men	...	...	...
Scientific Studies in Physical Education.....	...	...	...	...	...	...	...	...	...	803	...	See Men
Major Research .....	...	...	...	850	3 or more	0	850	3 or more	0	850	3 or more	0
PHYSICS												
General Physics: Mechanics, Wave Motion, Sound .....	...	...	...	411	5	369	411	5	74	...	...	...
General Physics: Light, Spectroscopy.....	412	5	16	...	...	...	412	5	284	...	...	...
General Physics: Magnetism, Electricity, and Electronics .....	...	...	...	...	...	...	...	...	...	413	5	242
Physics for Students of Agriculture: Mechanics, Heat and Electricity.....	...	...	...	...	...	...	421	5	49	421	5	26
General Physics for Engineers: Mechanics....	...	...	...	431	5	228	431	5	119	431	5	24
General Physics for Engineers: Heat, Sound and Light .....	432	5	17	...	...	...	432	5	215	...	...	...
General Physics for Engineers: Electricity and Magnetism .....	...	...	...	433	5	28	...	...	...	433	5	177
Electricity and Magnetism .....	...	...	...	435	3	71	...	...	...	...	...	...
Electricity and Magnetism .....	...	...	...	...	...	...	436	5	50	...	...	...
Electrical Measurements and Photometry.....	...	...	...	...	...	...	...	...	...	437	5	42
Geometrical and Physical Optics .....	...	...	...	501	5	22	...	...	...	...	...	...
Geometrical and Physical Optics.....	...	...	...	...	...	...	502	5	15	...	...	...
Geometrical and Physical Optics.....	...	...	...	...	...	...	...	...	...	503	5	14
Introduction to Contemporary Physics.....	...	...	...	...	...	...	...	...	...	509	5	7
Physical Optics .....	...	...	...	607	4	20	...	...	...	...	...	...
Advanced Electricity .....	...	...	...	608	4	29	...	...	...	...	...	...
Molecular Physics and Heat.....	...	...	...	...	...	...	609	4	15	...	...	...
Conduction of Electricity through Gases and Radioactivity .....	610	4	14	...	...	...	610	4	27	...	...	...
Modern Spectroscopy .....	611	4	18	...	...	...	...	...	...	611	4	15
Periodic and Transient Electric Currents.....	...	...	...	...	...	...	...	...	...	612	4	21
Advanced Physical Laboratory .....	616	3-24	55	616	3-24	26	616	3-24	27	616	3-24	11
X-rays and Crystal Structure.....	620	4	18	620	4	27	...	...	...	...	...	...
Acoustics .....	...	...	...	...	...	...	621	4	24	...	...	...
Thermionics and High Vacuum Phenomena....	...	...	...	...	...	...	...	...	...	622	4	20
Introduction to Theoretical Physics.....	...	...	...	623	3	28	...	...	...	...	...	...



Introduction to Theoretical Physics.....	...	...	...	624	3	10	...	...	...	...	...	...
Introduction to Theoretical Physics.....	...	...	...	630	3-5	0	630	3-5	2	625	3	14
Minor Investigations.....	...	...	...	...	...	...	...	...	...	630	3-5	4
Modern Theories of Electricity and Application.....	...	...	...	738	4	34	...	...	...	...	...	...
Electromagnetic Theory of Light.....	...	...	...	...	...	...	...	...	...	801	3	16
Theory of Electricity and Magnetism.....	...	...	...	805	3	26	...	...	...	...	...	...
Theory of Electricity and Magnetism.....	...	...	...	...	...	...	806	3	14	...	...	...
General Theory of Small Oscillations.....	...	...	...	809	3	6	...	...	...	...	...	...
Applications of the Theory of Oscillations.....	...	...	...	...	...	...	810	3	5	...	...	...
Applications of the Theory of Oscillations.....	...	...	...	...	...	...	...	...	...	811	3	4
Line Spectra and Atomic Structure.....	813	3	8	...	...	...	...	...	...	...	...	...
Quantum and Wave Mechanics.....	817	3	12	817	3	16	...	...	...	...	...	...
Quantum and Wave Mechanics.....	...	...	...	818	3	13	818	3	13	...	...	...
Quantum and Wave Mechanics.....	...	...	...	...	...	...	...	...	...	819	3	18
Statistical Mechanics.....	...	...	...	824	3	8	...	...	...	...	...	...
Applications of Wave Mechanics to Physico-Chemical Phenomena.....	...	...	...	...	...	...	825	3	7	...	...	...
Problems in Astrophysics.....	...	...	...	...	...	...	...	...	...	826	3	0
Philosophy of Physics.....	828	2	41	...	...	...	...	...	...	...	...	...
Molecular Structure by X-ray and Cathode Ray Scattering.....	829	2	21	...	...	...	...	...	...	...	...	...
Band Spectra and Related Topics.....	851	3	11	...	...	...	851	3	10	...	...	...
Infra-red Molecular Spectra.....	...	...	...	...	...	...	...	...	...	852	3	7
Mathematical Physics.....	860	3	11	...	...	...	...	...	...	...	...	...
Physical Research.....	900	...	22	900	...	19	900	...	20	900	...	19
Research in Astrophysics—950—included in 900	...	...	...	...	...	...	...	...	...	...	...	...
PHYSIOLOGICAL CHEMISTRY												
Materia Medica.....	...	...	...	...	...	...	405	4	34	...	...	...
Physiological Chemistry.....	...	...	...	601	5	99	...	...	...	...	...	...
Physiological Chemistry.....	...	...	...	...	...	...	602	5	81	...	...	...
Physiological Chemistry.....	...	...	...	611	5	20	...	...	...	...	...	...
Physiological Chemistry.....	...	...	...	...	...	...	612	5	17	...	...	...
Quantitative Methods of Blood and Urine Analysis.....	...	...	...	...	...	...	...	...	...	613	3	11
Biochemical Methods of Research.....	...	...	...	614	5	15	...	...	...	...	...	...
Toxicology.....	...	...	...	618	3	11	...	...	...	...	...	...
Minor Problems in Physiological Chemistry.....	...	...	...	619	2-15	0	619	2-15	8	619	2-15	5
Physiological Chemistry.....	...	...	...	...	...	...	...	...	...	632	5	47
Physiological Chemistry.....	...	...	...	633	2	44	...	...	...	...	...	...
Materia Medica.....	...	...	...	...	...	...	670	5	30	...	...	...
Pharmacology.....	...	...	...	...	...	...	...	...	...	671	5	82
Methods of Biologic Drug Assay.....	...	...	...	...	...	...	...	...	...	675	2	10
Seminary in Physiological Chemistry.....	...	...	...	...	...	...	...	...	...	813	2	12
Biochemical Biography.....	...	...	...	...	...	...	...	...	...	815	1	6
Chemistry of Medicinal Substances.....	...	...	...	...	...	...	830	3	10	...	...	...
Research in Materia Medica.....	...	...	...	870	3-10	0	870	3-10	0	870	3-10	0
Physiological Chemical Research.....	...	...	...	901	...	3	901	...	3	901	...	6
PHYSIOLOGY												
Elementary Physiology.....	407	5	49	407	5	231	407	5	86	407	5	83
Elementary Physiology.....	408	5	50	408	5	48	408	5	140	408	5	42

## THE WORK OF INSTRUCTORS—1932-1933—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Elementary Physiology .....	...	...	...	...	...	...	409	5	117	409	5	33
Elementary Physiology .....	...	...	...	...	...	...	...	...	...	412	3	11
Comparative Physiology .....	...	...	...	413	5	59	...	...	...	...	...	...
Comparative Physiology .....	...	...	...	...	...	...	414	5	65	...	...	...
Principles of Physiology .....	...	...	...	...	...	...	...	...	...	419	5	100
Advanced Physiology .....	...	...	...	604	5	57	...	...	...	604	5	92
Advanced Physiology .....	...	...	...	605	6	80	605	6	57	...	...	...
Advanced Physiology .....	...	...	...	...	...	...	606	3	81	...	...	...
Physiology .....	...	...	...	...	...	...	...	...	...	607	2	56
Physiological Laboratory .....	...	...	...	611	5	0	...	...	...	...	...	...
Physiological Laboratory .....	...	...	...	...	...	...	612	5	1	...	...	...
Physiological Laboratory .....	...	...	...	...	...	...	...	...	...	613	5	2
Advanced Physiology .....	...	...	...	615	5	16	...	...	...	615	5	1
Advanced Physiology .....	...	...	...	616	5	1	616	5	14	...	...	...
Physiology of Metabolism .....	...	...	...	...	...	...	618	3-5	14	...	...	...
Physiology of Reproduction .....	...	...	...	...	...	...	619	3-5	9	...	...	...
Physiology of Exercise .....	...	...	...	...	...	...	...	...	...	620	5	38
Physiological Technique .....	...	...	...	621	3	10	...	...	...	...	...	...
General Physiology .....	622	5	6	...	...	...	622	5	7	...	...	...
General Physiology .....	...	...	...	...	...	...	...	...	...	623	5	18
Seminary in Physiology .....	...	...	...	815	1	8	...	...	...	...	...	...
Seminary in Physiology .....	...	...	...	...	...	...	816	1	6	...	...	...
Seminary in Physiology .....	...	...	...	...	...	...	...	...	...	817	1	4
Physiology Research .....	900	3-15	7	900	3-15	5	900	3-15	5	900	3-15	6
POLITICAL SCIENCE												
American Federal Government .....	401	5	30	401	5	180	401	5	179	401	5	199
Government and Politics of Foreign Countries .....	402	5	22	402	5	64	402	5	95	402	5	125
American State Government .....	...	...	...	403	5	32	403	5	60	403	5	82
American State Administration .....	...	...	...	...	...	...	...	...	...	604	3	17
Principles of Public Administration .....	605	5	13	605	5	15	...	...	...	...	...	...
Municipal Government .....	...	...	...	607	5	23	...	...	...	607	5	38
Municipal Functions .....	...	...	...	...	...	...	608	3	6	...	...	...
Municipal Problems .....	...	...	...	...	...	...	...	...	...	609	3	5
Introduction to Jurisprudence .....	...	...	...	611	5	28	...	...	...	...	...	...
International Law .....	...	...	...	...	...	...	612	5	37	...	...	...
Contemporary International Politics .....	...	...	...	...	...	...	...	...	...	613	5	36
Administration of Justice .....	...	...	...	...	...	...	...	...	...	615	3	28
American Constitutional Law .....	616	3	25	...	...	...	616	3	23	...	...	...
Administrative Law .....	...	...	...	...	...	...	...	...	...	617	3	12





# THE WORK OF INSTRUCTORS—1932-1933—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Occupational Studies in High and Continuation Schools .....	610	3	23	...	...	...	...	...	...	610	3	11
The Teaching and Supervision of Practical Arts in the Elementary School .....	623	3	20	...	...	...	...	...	...	...	...	...
Administration of Industrial Arts and Vocational Education .....	625	3	23	...	...	...	...	...	...	...	...	...
Subject Matter and Method in Vocational part-time and Continuation Schools or Classes .....	640	3	7	...	...	...	...	...	...	...	...	...
Minor Problems in Practical Arts and Vocational Education .....	650	1	43	650	1	10	...	...	...	...	...	...
Minor Problems in Practical Arts and Vocational Education .....	651	1	33	...	...	...	651	1	21	...	...	...
Minor Problems in Practical Arts and Vocational Education .....	...	...	...	...	...	...	...	...	...	652	1	28
Practical Arts Laboratory for Teachers in Elementary Schools .....	655	3	3	...	...	...	...	...	...	...	...	...
Principles of Commercial Education .....	660	3	27	...	...	...	...	...	...	...	...	...
Subject Matter and Methods in Commercial Education .....	663	3	18	...	...	...	...	...	...	...	...	...
Administration and Supervision of Commercial Education .....	665	3	10	...	...	...	...	...	...	...	...	...
Subject Matter and Methods in the Laboratory of Commerce .....	667	3	20	...	...	...	...	...	...	667	3	10
Occupational Analysis and Organization of Subject Matter in Industrial Arts and Vocational Industrial Education .....	680	3	13	...	...	...	680	3	8	...	...	...
Research in the Laboratory of Industries .....	800	3	9	...	...	...	...	...	...	...	...	...
Scientific Studies in the Practical Arts and Vocational Education .....	801	2	16	801	2	14	...	...	...	...	...	...
Scientific Studies in the Practical Arts and Vocational Education .....	802	2	18	...	...	...	802	2	11	...	...	...
Scientific Studies in the Practical Arts and Vocational Education .....	...	...	...	...	...	...	...	...	...	803	2	10
Major Research Problems in Practical Arts and Vocational Education .....	804	3	5	804	3	0	804	3	0	804	3	0
PRINCIPLES OF EDUCATION												
Principles of Education .....	301	2	106	...	...	...	...	...	...	...	...	...
Principles of Education .....	302	2	90	...	...	...	...	...	...	...	...	...
Principles and Methods of Secondary School Teaching .....	312	2	42	...	...	...	...	...	...	...	...	...



Principles and Methods of Secondary School Teaching	313	2	35	...	...	...	...	...	...	...	...	...
Teaching Literature in High School	340	3	48	...	...	...	...	...	...	...	...	...
Teaching Literature in High School	341	3	50	...	...	...	...	...	...	...	...	...
Teaching Composition in High School	343	3	60	...	...	...	...	...	...	...	...	...
Methods and Problems of the Natural Sciences	364	2	8	...	...	...	...	...	...	...	...	...
Methods and Problems of the Natural Sciences	365	2	8	...	...	...	...	...	...	...	...	...
The History Course of Study in Secondary Schools	384	3	25	...	...	...	...	...	...	...	...	...
The History Course of Study in Secondary Schools	385	3	17	...	...	...	...	...	...	...	...	...
Principles of Education	...	...	...	401	4	179	401	4	112	401	4	228
Contemporary Elementary Educational Practice	406	3	115	406	3	66	...	...	...	...	...	...
Principles and Methods of Secondary School Teaching	...	...	...	410	4	95	410	4	126	410	4	85
Supervised Observation of the Teaching of Music in the Elementary School	...	...	...	413	2	13	...	...	...	413	2	30
Supervised Observation of the Teaching of Music in Secondary Schools	...	...	...	414	2	25	...	...	...	414	2	9
Kindergarten and Pre-School Teaching	418	3	3	...	...	...	...	...	...	418	3	0
Supervised Teaching in Secondary Schools	440	7	3	440	7	55	440	7	28	440	7	223
Theory and Practice in Elementary Education	...	...	...	442	6	50	...	...	...	...	...	...
Theory and Practice in Elementary Education	...	...	...	...	...	...	443	6	49	...	...	...
Theory and Practice in Elementary Education	...	...	...	...	...	...	...	...	...	444	12	49
Theory and Practice in Elementary Education	...	...	...	445	3	31	445	3	8	445	3	7
Supervised Student Teaching in Secondary Schools	...	...	...	446	4	3	446	4	7	446	4	15
Teaching Nature Study and Science in the Elementary School	473	3	27	...	...	...	...	...	...	...	...	...
The Teaching of Arithmetic in the Elementary School	492	3	36	...	...	...	...	...	...	...	...	...
Teaching the English Studies in the Elementary School	493	3	42	...	...	...	...	...	...	...	...	...
Teaching the Social Studies in the Intermediate Grades	494	3	13	...	...	...	...	...	...	...	...	...
Teaching the Primary Grades	495	3	44	...	...	...	...	...	...	...	...	...
Teaching the Social Studies in the Primary Grades	496	3	8	...	...	...	...	...	...	...	...	...
Teaching Children's Literature	499	3	79	499	3	49	...	...	...	...	...	...
Moral Ideals in Education	601	3	16	601	3	15	...	...	...	...	...	...
Supervision of Teaching in Secondary Schools	610	3	24	...	...	...	...	...	...	610	3	16
Supervision of Elementary School Teaching	613	3	16	...	...	...	613	3	7	...	...	...
Curriculum Construction in Elementary Education	614	3	25	...	...	...	...	...	...	614	3	11
Experimental Elementary Schools	615	3	23	615	3	22	...	...	...	...	...	...
Elementary Teacher Training	616	3	15	...	...	...	...	...	...	616	3	10
Conception of Mind in Educational Theory	620	3	100	620	3	76	...	...	...	...	...	...
Directed Observation of Elementary Training	623	1	96	623	1	4	623	1	13	...	...	...
Practicum in Elementary Education	...	...	...	624	2	72	...	...	...	...	...	...
Problems of Curriculum Construction in Secondary Education	625	3	42	625	3	15	...	...	...	...	...	...
Modern Tendencies in Education	640	3	97	...	...	...	...	...	...	640	3	64

THE WORK OF INSTRUCTORS—1932-1933—Continued

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Progressive Trends in Secondary Education..	...	...	...	...	...	...	642	3	31	...	...	...
Social Education .....	...	...	...	...	...	...	...	...	...	645	3	15
Minor Problems .....	650	1-4	51	...	...	...	...	...	...	...	...	...
Minor Problems .....	...	...	...	651	1-4	23	651	1-4	23	651	1-4	23
Principles and Methods of Teaching the Mentally Retarded .....	654	3	18	...	...	...	...	...	...	...	...	...
Supervised Teaching in Special Classes .....	...	...	...	...	...	...	...	...	...	656	5	0
Problems and Methods of the Natural Sciences .....	...	...	...	660	4	16	...	...	...	...	...	...
Problems and Methods of the Natural Sciences .....	...	...	...	...	...	...	...	...	...	661	4	17
Teaching Literature in the High School .....	...	...	...	662	5	42	...	...	...	662	5	30
Organizing History for the Classroom .....	...	...	...	663	5	20	...	...	...	663	5	26
Teaching the Social Studies Other than History .....	665	3	15	...	...	...	665	3	19	...	...	...
The Place of the Schools in the Social Organization .....	680	3	60	680	3	5	...	...	...	...	...	...
The Thinking Process in its Educational Bearings .....	...	...	...	...	...	...	683	3	40	...	...	...
The Place of Scientific Method in Education..	...	...	...	684	3	9	...	...	...	...	...	...
The Teaching of History .....	700	3	27	700	3	28	...	...	...	700	3	45
The Teaching of Biology .....	...	...	...	...	...	...	...	...	...	705	3	42
Teaching Composition in High School .....	...	...	...	714	5	42	...	...	...	714	5	31
The Teaching of Dramatics .....	...	...	...	717	5	5	...	...	...	...	...	...
The Teaching of German .....	...	...	...	...	...	...	725	3	10	...	...	...
Methods of Teaching Latin .....	...	...	...	730	3	8	...	...	...	...	...	...
The Teaching of Latin .....	731	3	18	...	...	...	...	...	...	...	...	...
The Teaching of Mathematics .....	735	3	19	735	3	21	...	...	...	...	...	...
The Teaching of French .....	740	3	9	740	3	15	...	...	...	740	3	14
The Teaching of Spanish .....	745	3	8	745	3	4	...	...	...	...	...	...
The Teaching of Mechanical Drawing .....	...	...	...	750	3	29	...	...	...	...	...	...
The Teaching of Mechanical Drawing .....	...	...	...	...	...	...	751	3	22	...	...	...
The Teaching of Chemistry and Physics .....	756	3	23	...	...	...	...	...	...	756	3	37
Spoken English: Teachers' Course .....	760	3	7	...	...	...	760	3	5	...	...	...
The Teaching of Nursing .....	...	...	...	...	...	...	...	...	...	770	3	9
Special Problems in Educational Theory .....	801	3	31	...	...	...	...	...	...	...	...	...
Special Problems in Educational Theory .....	...	...	...	802	3	5	...	...	...	...	...	...
Special Problems in Educational Theory .....	...	...	...	...	...	...	...	...	...	804	3	4
Special Problems in Secondary Education .....	810	3	23	...	...	...	...	...	...	...	...	...
Special Problems in Secondary Education .....	...	...	...	811	3	7	...	...	...	...	...	...
Special Problems in Secondary Education .....	...	...	...	...	...	...	812	3	9	...	...	...
Special Problems in Secondary Education .....	...	...	...	...	...	...	...	...	...	813	3	0





COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Advanced Binet Testing .....	617	2	19	617	2	28	617	2	19	617	2	10
Clinical Tests .....	618	2	13	618	2	28	618	2	19	618	2	11
Psychological Clinic .....	619	2 or 4	14	619	2 or 4	2	619	2 or 4	6	619	2 or 4	20
Advanced Psychological Clinic .....	620	2	8	620	2	8	620	2	2	620	2	3
Social Psychology .....	621	3	40	621	3	...	621	3	53	621	3	...
The Psychology of the Delinquent Child .....	622	3	21	622	3	...	622	3	25	622	3	...
Psychology of Vision and Hearing .....	623	3	17	623	3	25	623	3	12	623	3	...
Problems in Learning and Thinking .....	624	3	...	624	3	...	624	3	...	624	3	...
The Learning Process .....	625	3	17	625	3	25	625	3	...	625	3	...
Advanced Psychology .....	626	3	23	626	3	23	626	3	...	626	3	...
Psychology of Feeling and Emotion .....	627	5	23	627	5	23	627	5	26	627	5	...
Criminal and Legal Psychology .....	628	5	...	628	5	...	628	5	39	628	5	...
Psychology of Advertising .....	629	5	...	629	5	...	629	5	...	629	5	...
Advertising Psychology Laboratory .....	630	5	...	630	5	...	630	5	...	630	5	...
Industrial Psychology .....	631	5	...	631	5	...	631	5	...	631	5	...
Industrial and Vocational Psychology Laboratory .....	632	5	...	632	5	...	632	5	...	632	5	...
Psychology and Personnel .....	633	5	...	633	5	...	633	5	...	633	5	...
Educational and Vocational Guidance .....	634	5	...	634	5	...	634	5	...	634	5	...
Abnormal Psychology .....	635	5	39	635	5	39	635	5	69	635	5	...
Human Motives and Incentives .....	636	5	...	636	5	...	636	5	16	636	5	...
History of Psychology .....	637	5	...	637	5	...	637	5	...	637	5	...
Principles of Human Behavior .....	638	5	23	638	5	11	638	5	...	638	5	23
Theoretical Psychology .....	639	5	4	639	5	25	639	5	33	639	5	41
Minor Problems .....	640	5	14	640	5	5	640	5	...	640	5	16
Psychology of High School Subjects .....	641	5	...	641	5	...	641	5	...	641	5	...
Special Response Categories .....	642	5	...	642	5	...	642	5	...	642	5	...
Advanced Statistics .....	643	5	...	643	5	...	643	5	...	643	5	...
Comparative Psychology .....	644	5	...	644	5	...	644	5	...	644	5	...
Comparative Psychology .....	645	5	...	645	5	...	645	5	...	645	5	...
Comparative Psychology Laboratory .....	646	5	...	646	5	...	646	5	...	646	5	...
Comparative Psychology Laboratory .....	647	5	...	647	5	...	647	5	...	647	5	...
University Personnel Psychology .....	648	5	...	648	5	...	648	5	...	648	5	...
Comparative Psychology Laboratory .....	649	5	...	649	5	...	649	5	...	649	5	...
Psycho-Educational Problems .....	650	5	...	650	5	...	650	5	...	650	5	...
The Pre-School Child .....	651	5	...	651	5	...	651	5	...	651	5	...
Psychology of the Elementary School Child .....	652	5	...	652	5	...	652	5	...	652	5	...
The Individual and the School .....	653	5	...	653	5	...	653	5	...	653	5	...
Research Problems of the Dean of Women .....	654	5	...	654	5	...	654	5	...	654	5	...
Personal Forms and Interpretation Methods .....	655	5	...	655	5	...	655	5	...	655	5	...



Methods and Viewpoints in Educational Psychology.....	676	3	18	...	...	...	...	...	677	2	11
Graphic Methods.....	...	...	...	...	...	...	...	...	678	3	37
Psychology of Personality.....	...	...	...	...	...	...	...	...	801	3	32
Major Research.....	801	3	24	801	3	43	801	3	43	801	3
Seminary in Experimental Psychology.....	802	3	9	802	2	10	802	2	8	802	2
Seminary in Educational Psychology.....	803	2	10	803	2	19	803	2	10	...	...
Contemporary Psychological Literature.....	...	...	...	805	1	15	805	1	9	805	1
Seminary in Abnormal Psychology.....	806	2	4	...	...	...	806	2	10	806	2
Seminary in Industrial Psychology.....	...	...	...	...	...	...	...	...	...	807	2
Psycho-Analysis.....	808	2	34	808	2	29	...	...	...	...	...
Psychological Problems in Higher Education.....	810	2	4	...	...	...	...	...	...	...	...
Advanced Theoretical Psychology.....	...	...	...	...	...	...	...	...	...	811	3
Study of the Special Reading Difficulties of Children, I.....	...	...	...	...	...	...	820	3	0	...	...
Study of the Special Reading Difficulties of Children, II.....	...	...	...	...	...	...	...	...	...	821	4
PUBLIC HEALTH											
Principles of Public Health Nursing.....	...	...	...	404	3	19	...	...	...	404	3
Elementary Nursing.....	...	...	...	407	2	18	407	2	31	407	2
Public Health Nursing Field Work.....	452	2	2	452	2	1	452	2	2	452	2
Public Health Nursing Field Work.....	453	2	1	453	2	0	453	2	2	453	2
Public Health Nursing Field Work, including Social Case Work.....	454	13	1	454	13	0	454	13	0	454	13
Seminary in Public Health Nursing.....	...	...	...	...	...	...	...	...	...	456	2
Public Health Problems.....	...	...	...	602	5	27	602	5	53	602	5
Hygiene and Sanitation.....	...	...	...	604	3	89	...	...	...	...	...
Hygiene and Sanitation.....	...	...	...	...	...	...	605	3	90	...	...
Hygiene and Sanitation.....	...	...	...	...	...	...	...	...	...	606	3
Tropical Diseases.....	...	...	...	...	...	...	...	...	...	607	2
Child Health.....	...	...	...	608	2	25	608	2	19	608	2
Public Health: Research.....	...	...	...	801	5-15	1	...	...	...	...	...
Public Health: Research.....	...	...	...	...	...	...	802	5-15	1	...	...
Public Health: Research.....	...	...	...	...	...	...	...	...	...	803	5-15
ROMANCE LANGUAGES											
FRENCH											
Elementary French.....	401	5	22	401	5	235	401	5	71	401	5
Elementary French.....	402	5	11	402	5	67	402	5	173	402	5
Intermediate French.....	...	...	...	403	5	115	403	5	58	403	5
Intermediate French.....	404	5	20	404	5	101	404	5	90	404	5
Reading of French.....	405	0	25	405	0	22	405	0	13	405	0
Elementary French Conversation and Composition.....	...	...	...	410	5	31	410	5	37	410	5
Introduction to French Literature.....	413	5	13	413	5	20	413	5	37	413	5
Introduction to French Literature.....	...	...	...	414	5	16	414	5	13	414	5
Introduction to French Literature.....	...	...	...	415	5	8	...	...	...	...	...
Introduction to French Literature.....	...	...	...	...	...	...	416	5	0	...	...
French Literature of the 17th Century (1600-1660).....	...	...	...	...	...	...	601	5	11	...	...
French Literature of the 17th Century (1660-1680).....	602	5	9	602	5	18	...	...	...	...	...

## THE WORK OF INSTRUCTORS—1932-1933—Continued

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
French Literature of First Half of Nineteenth Century	...	...	...	605	3	13	...	...	...	603	5	18
French Literature of 15th and 16th Centuries	...	...	...	...	...	...	606	3	16	...	...	...
French Literature of the 16th Century	...	...	...	...	...	...	...	...	...	607	3	14
French Literature of the 18th Century (1700-1750)	...	...	...	...	...	...	...	...	...	...	...	...
The French Novel to 1850	609	3	11	...	...	...	...	...	...	...	...	...
The Comedy of Manners in the 19th Century (1800-1880)	...	...	...	611	3	6	...	...	...	...	...	...
The Comedy of Manners in the 19th Century (1880-1914)	612	3	12	...	...	...	612	3	14	...	...	...
Cours de Style	623	3	11	623	3	16	623	3	19	...	...	...
Cours de Style	...	...	...	...	...	...	624	3	11	624	3	9
Explication de Textes	...	...	...	...	...	...	625	3	5	...	...	...
Explication de Textes	...	...	...	...	...	...	...	...	...	626	3	0
French Phonetics	627	3	15	...	...	...	...	...	...	...	...	...
Modern French Syntax	628	3	8	...	...	...	...	...	...	628	3	26
History of the French Language	...	...	...	629	3	10	...	...	...	...	...	...
French Phonetics and Diction	...	...	...	632	5	15	632	5	22	...	...	...
Honors Course in French	...	...	...	705	3-10	2	...	...	...	...	...	...
Honors Course in French	...	...	...	...	...	...	706	3-10	2	...	...	...
Honors Course in French	...	...	...	...	...	...	...	...	...	707	3-10	1
Introduction to Old French	...	...	...	801	3	7	...	...	...	...	...	...
Introduction to Old French	...	...	...	...	...	...	802	3	6	...	...	...
Old Provençal	...	...	...	803	3	5	...	...	...	...	...	...
Old Provençal	...	...	...	...	...	...	804	3	4	...	...	...
Research in French Language or Literature	809	3-5	4	809	3-5	6	809	3-5	9	809	3-5	11
Seminary in French Literature	811	3	2	811	3	14	...	...	...	...	...	...
Seminary in French Literature	...	...	...	...	...	...	812	3	6	...	...	...
Old French Literature	813	3	3	...	...	...	...	...	...	813	3	9
Seminary in French Literature	...	...	...	...	...	...	...	...	...	817	3	7
ITALIAN												
Elementary Italian	...	...	...	401	5	25	...	...	...	401	5	11
Elementary Italian	...	...	...	...	...	...	402	5	18	...	...	...
Italian Literature of the Renaissance	...	...	...	607	3	6	...	...	...	...	...	...
Italian Literature of the Renaissance	...	...	...	...	...	...	608	3	0	...	...	...
SPANISH												
Elementary Spanish	401	5	15	401	5	192	401	5	65	401	5	57
Elementary Spanish	...	...	...	402	5	58	402	5	129	402	5	87
Intermediate Spanish	...	...	...	403	5	45	403	5	26	403	5	61



Intermediate Spanish .....	...	...	...	404	5	51	404	5	34	404	5	28
Commercial Spanish Correspondence .....	...	...	...	...	...	...	405	5	12	...	...	...
Elementary Spanish Composition .....	410	5	5	...	...	...	410	5	7	410	5	7
Introduction to Spanish Literature .....	...	...	...	413	5	16	413	5	11	413	5	16
Introduction to Spanish Literature .....	414	5	2	414	5	5	414	5	9	414	5	15
Advanced Composition and Conversation .....	...	...	...	605	3	7	...	...	...	...	...	...
Advanced Composition and Conversation .....	...	...	...	...	...	...	606	3	3	...	...	...
Romantic Drama and Poetry of the 19th Century .....	...	...	...	609	5	14	...	...	...	...	...	...
Modern Spanish Drama .....	...	...	...	...	...	...	610	5	11	...	...	...
Prose of the Golden Age .....	...	...	...	...	...	...	...	...	...	613	5	9
Cervantes .....	...	...	...	...	...	...	614	5	4	...	...	...
Survey of Spanish Literature from Earliest Times to the 17th Century .....	...	...	...	...	...	...	615	5	5	...	...	...
Survey of Spanish Literature of the 17th and 18th Centuries .....	...	...	...	...	...	...	...	...	...	616	5	7
Modern Spanish Syntax .....	...	...	...	617	3	12	...	...	...	...	...	...
Spanish Phonetics .....	...	...	...	...	...	...	620	5	6	...	...	...
Honors Course in Spanish .....	...	...	...	705	3-10	1	...	...	...	...	...	...
Honors Course in Spanish .....	...	...	...	...	...	...	706	3-10	0	...	...	...
Honors Course in Spanish .....	...	...	...	...	...	...	...	...	...	707	3-10	1
Old Spanish .....	...	...	...	805	3	2	...	...	...	...	...	...
Old Spanish .....	...	...	...	...	...	...	805	3	4	...	...	...
Research in Spanish Language or Literature .....	810	2-5	4	810	2-5	1	810	2-5	2	810	2-5	2
Seminary in Spanish Literature .....	815	3	7	815	3	3	815	3	2	815	3	1
RURAL ECONOMICS												
Agricultural Economics .....	...	...	...	401	5	30	...	...	...	401	5	47
Farm Management .....	...	...	...	402	5	40	...	...	...	402	5	30
Farm Bookkeeping and Business Records .....	...	...	...	403	3	5	403	3	14	...	...	...
Sociology of Farm Folk .....	...	...	...	405	5	10	405	5	10	...	...	...
Advanced Farm Organization .....	...	...	...	602	3	6	...	...	...	...	...	...
Cooperation in Agriculture .....	...	...	...	...	...	...	603	5	16	...	...	...
The Agriculture Industry .....	...	...	...	...	...	...	605	3	9	...	...	...
Sociology of Farm Folk .....	...	...	...	606	5	0	...	...	...	...	...	...
Rural Social Organization .....	...	...	...	...	...	...	607	3	0	...	...	...
Rural Social Environment .....	...	...	...	...	...	...	...	...	...	608	3	0
Price of Farm Products .....	...	...	...	...	...	...	...	...	...	612	3	19
Marketing Farm Products .....	...	...	...	613	5	31	...	...	...	613	5	16
Business Management in Agricultural Marketing .....	...	...	...	...	...	...	614	3	7	...	...	...
The Economics of Live Stock Marketing .....	...	...	...	...	...	...	...	...	...	625	3	0
The Economics of Marketing Dairy Products .....	...	...	...	625	3	7	...	...	...	...	...	...
The Marketing of Fruits and Vegetables .....	...	...	...	...	...	...	...	...	...	628	5	17
Special Problems .....	...	...	...	701	3-15	9	701	3-15	4	701	3-15	25
Research Work and Seminary in Rural Economics .....	...	...	...	801	3-6	1	801	3-6	0	801	3-6	0
SCHOOL ADMINISTRATION												
Fundamentals in School Administration for Teachers .....	600	3	190	600	3	170	600	3	160	600	3	157
Administration of Pupil Personnel .....	601	3	206	601	3	69	601	3	158	601	3	94
Administration of Extra-Curricular Activities .....	609	3	85	609	3	22	...	...	...	...	...	...

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COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
The Administration of Non-Urban Education.	610	3	74	610	3	12	...	...	...	...	...	...
Social Foundation of Public School Administration	616	3	56	...	...	...	...	...	...	616	3	18
Minor Research Problems	617	2-4	25	...	...	...	...	...	...	...	...	...
Minor Research Problems	...	...	...	618	2-4	0	618	2-4	4	618	2-4	4
Administration of Standard Tests in Elementary Schools	624	3	19	624	3	15	...	...	...	...	...	...
Administration of Standard Tests in Secondary Schools	625	3	31	...	...	...	625	3	24	...	...	...
Administration of Health Education	626	3	16	...	...	...	...	...	...	...	...	...
Administrative Problems of the Elementary School Principal	628	3	12	628	3	7	...	...	...	...	...	...
Organization of the Junior High School	631	3	43	...	...	...	631	3	8	...	...	...
School Publicity	636	2	62	...	...	...	...	...	...	636	2	14
Administration of Radio Education	638	1	2	...	...	...	...	...	...	...	...	...
Administration of the Curriculum in the Elementary School	640	3	12	640	3	12	...	...	...	...	...	...
Administration of School Libraries	645	2	9	...	...	...	...	...	...	...	...	...
Administrative Problems of the Non-Urban Secondary School Principal	650	3	11	...	...	...	650	3	11	...	...	...
Fundamentals in School Administration for Administrators	651	3	108	...	...	...	651	3	13	...	...	...
Administration of School Financial Accounting in Ohio	658	2	36	...	...	...	...	...	...	...	...	...
Administration of Teacher Retirement and Pension Systems	670	1	12	...	...	...	...	...	...	...	...	...
Organization and Administration of the Education of the Mentally Retarded	674	3	11	...	...	...	674	3	0	...	...	...
Organization and Administration of the Education of Behavior Problem Children	...	...	...	...	...	...	675	3	14	...	...	...
Institute for Officers of Classroom Teachers' Associations	690	1-3	3	...	...	...	...	...	...	...	...	...
The Preparation of Theses and other Scientific Papers	800	1	79	...	...	...	800	1	11	...	...	...
Administration of Colleges and Universities	801	3	12	801	3	9	...	...	...	802	2-5	1
Seminary in School Administration	802	2-5	33	802	2-5	12	802	2-5	8	802	2-5	1
Ad Interim Projects	803	2-5	1	803	2-5	3	803	2-5	2	803	2-5	16
Major Research Problems	804	3	101	...	...	...	...	...	...	...	...	...
Major Research Problems	...	...	...	805	3	9	...	...	...	...	...	...
Major Research Problems	...	...	...	...	...	...	806	3	23	...	...	...



Major Research Problems.....	811	3	33	811	3	9	...	...	...	807	3	9
State Administration of Education.....	812	3	4	...	...	...	...	...	...	...	...	...
Administration of National Systems of Education.....	813	3	16	...	...	...	...	...	...	813	3	8
Legal Basis of School Administration.....	815	2-5	13	...	...	...	...	...	...	...	...	...
Seminary in County School Administration.....	816	2-5	16	...	...	...	...	...	...	...	...	...
Seminary in School Finance and Business.....	817	2-5	12	...	...	...	...	...	...	...	...	...
Management.....	818	3	33	...	...	...	818	3	8	...	...	...
Seminary in Secondary School Administration.....	820	3	11	...	...	...	...	...	...	...	...	...
Administration of the Curriculum in the Secondary School.....	826	2	40	826	2	10	825	2	0	...	...	...
The Administration of Curriculum Reorganization.....	827	3	79	827	3	11	...	...	...	...	...	...
Problems in the Administration of Teacher Placement Agencies.....	831	3	72	831	3	13	...	...	...	...	...	...
The Administration of Guidance Programs.....	832	3	31	...	...	...	832	3	12	...	...	...
Personnel Administration and Supervision in Education.....	833	3	10	...	...	...	...	...	...	...	...	...
High School Administration (City) First Course.....	835	2-4	5	...	...	...	...	...	...	...	...	...
High School Administration (City) Second Course.....	836	3	23	...	...	...	...	...	...	836	3	11
Administrative Problems of the Large Cosmopolitan High School.....	838	3	104	...	...	...	...	...	...	...	...	...
Administration of Experimental Schools.....	839	3	11	...	...	...	...	...	...	...	...	...
Administration of Special Education.....	840	3	3	...	...	...	...	...	...	840	3	8
Educational Statistics: Elementary.....	843	3	5	...	...	...	843	3	3	...	...	...
Educational Statistics: Intermediate.....	844	3	2	...	...	...	...	...	...	844	3	3
Administration of the Junior College.....	845	2-4	7	845	2-4	2	...	...	...	845	2-4	3
Administration of Teacher Training Institutions.....	850	3	50	...	...	...	...	...	...	850	3	15
Financial Administration in Higher Education.....	851	3	39	...	...	...	851	3	11	...	...	...
Seminary in Administration of Higher Education.....	855	3	19	855	3	8	...	...	...	...	...	...
Business Management of Schools.....	856	2	9	...	...	...	...	...	...	...	...	...
School Finance.....	870	2-5	2	870	2-5	2	...	...	...	...	...	...
Planning and Construction of School Buildings.....	...	...	...	...	...	...	872	3	13	...	...	...
Equipment of School Buildings.....	...	...	...	...	...	...	878	2	7	...	...	...
Seminary in the Administration of Elementary Education.....	...	...	...	...	...	...	...	...	...	...	...	...
The Administration of Achievement Tests in Higher Education.....	...	...	...	...	...	...	...	...	...	...	...	...
Seminary in the Administration of College Student Personnel.....	...	...	...	...	...	...	...	...	...	...	...	...
SOCIOLOGY												
Principles of Sociology.....	401	5	103	401	5	271	401	5	203	401	5	163
Principles of Sociology.....	402	5	52	402	5	104	402	5	177	402	5	156
The School Child and the Community.....	...	...	...	...	...	...	...	...	...	407	5	20
Principles of Sociology.....	...	...	...	410	5	69	410	5	51	410	5	77
The Family.....	...	...	...	601	4	15	...	...	...	601	4	33
General Sociology.....	...	...	...	602	3	0	...	...	...	...	...	...
General Sociology.....	...	...	...	...	...	...	603	3	0	...	...	...

## THE WORK OF INSTRUCTORS—1932-1933—Continued

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
General Sociology .....	...	...	...	...	...	...	...	...	...	604	3	0
The Immigrant .....	...	...	...	...	...	...	605	4	52	...	...	...
The Race Problem .....	607	4	20	607	4	41	...	...	...	608	4	20
The Negro Problem .....	...	...	...	...	...	...	611	4	9	...	...	...
Introduction to Anthropology .....	...	...	...	...	...	...	...	...	...	612	4	0
Social Anthropology .....	...	...	...	...	...	...	618	3	20	...	...	...
Poverty .....	...	...	...	...	...	...	...	...	...	...	...	...
Social Treatment of Dependents .....	619	3	11	619	3	42	...	...	...	...	...	...
Social Treatment of the Child .....	...	...	...	...	...	...	620	3	48	...	...	...
The Community and the Child .....	...	...	...	621	3	13	621	3	9	621	3	21
The Criminal .....	...	...	...	...	...	...	...	...	...	625	3	101
Penology .....	...	...	...	626	3	22	...	...	...	...	...	...
Penology .....	...	...	...	...	...	...	627	3	3	...	...	...
Field Work in Social Statistics .....	...	...	...	638	5	37	...	...	...	638	5	18
Social Statistics .....	...	...	...	...	...	...	639	5	48	...	...	...
Case Recording .....	...	...	...	...	...	...	642	3	22	642	3	0
Leisure and Recreation .....	...	...	...	...	...	...	...	...	...	...	...	...
Social Organization and Administration of Recreation Facilities .....	...	...	...	645	4	59	...	...	...	...	...	...
The Organization and Direction of Group Ac- tivities .....	...	...	...	647	3	11	646	4	31	...	...	...
Camping: Its Organization and Administration .....	...	...	...	...	...	...	...	...	...	649	3	34
Girls' Work Organization .....	...	...	...	...	...	...	...	...	...	651	5	9
Municipal Sociology .....	...	...	...	...	...	...	...	...	...	655	4	16
Rural Social Institutions .....	...	...	...	...	...	...	...	...	...	656	4	15
Welfare Problems in Rural Communities .....	...	...	...	657	4	0	...	...	...	...	...	...
Rural Welfare Organization and Administra- tion .....	...	...	...	...	...	...	658	4	0	...	...	...
Social Order and Social Control .....	665	3	17	665	3	15	...	...	...	...	...	...
Social Evolution .....	...	...	...	...	...	...	666	3	15	...	...	...
Social Progress .....	...	...	...	...	...	...	...	...	...	667	3	17
Community Organization .....	...	...	...	...	...	...	...	...	...	668	3	45
Problems and Policies of Community Chests in Smaller Cities .....	639	3	0	...	...	...	...	...	...	...	...	...
Community Health Organization .....	...	...	...	...	...	...	670	3	14	...	...	...
Community Health Organization .....	671	3	19	...	...	...	...	...	...	671	3	0
Field Work .....	...	...	...	675	6-15	7	675	6-15	10	675	6-15	24
Social Case Work .....	695	3	5	695	3	34	...	...	...	...	...	...
Social Case Work .....	...	...	...	...	...	...	696	3	32	...	...	...
The Case Method in Group Work .....	...	...	...	...	...	...	...	...	...	697	3	11



Special Problems .....	700	1-4	3	700	1-4	9	700	1-4	3	700	1-4	6
History of Sociological Thought .....	...	...	...	801	2	2	802	2	3	...	...	...
History of Sociological Thought .....	...	...	...	...	...	...	...	...	...	803	2	2
History of Sociological Thought .....	...	...	...	805	2	8	...	...	...	...	...	...
American Sociological Theory .....	...	...	...	...	...	...	806	2	7	...	...	...
American Sociological Theory .....	...	...	...	...	...	...	...	...	...	807	2	7
American Sociological Theory .....	...	...	...	...	...	...	...	...	...	...	...	...
The Community Chest Movement .....	...	...	...	813	4	10	...	...	...	...	...	...
Contemporary Social Work .....	...	...	...	...	...	...	814	4	12	...	...	...
The Community .....	815	4	8	...	...	...	...	...	...	...	...	...
Seminary in Anthropology .....	820	2	2	...	...	...	...	...	...	...	...	...
Development of Social Agencies .....	...	...	...	834	2	5	...	...	...	...	...	...
The Social Worker and Community Groups ..	...	...	...	835	3	13	...	...	...	...	...	...
National Social Work Agencies and Local Pro-	...	...	...	...	...	...	836	3	13	...	...	...
grams .....	...	...	...	...	...	...	...	...	...	...	...	...
Social Case Work .....	...	...	...	838	3	8	...	...	...	...	...	...
Contemporary Sociological Literature .....	...	...	...	839	1	17	839	1	13	839	1	6
Methods of Sociological Investigation .....	...	...	...	845	4	17	...	...	...	...	...	...
Methods of Sociological Investigation .....	...	...	...	...	...	...	846	4	15	...	...	...
Research in Penology .....	...	...	...	847	1-4	4	...	...	...	...	...	...
Research in Penology .....	...	...	...	...	...	...	848	1-4	5	...	...	...
Research in Penology .....	...	...	...	...	...	...	...	...	...	849	1-4	6
The Community .....	855	4	8	...	...	...	...	...	...	...	...	...
Social Planning .....	856	4	3	856	4	7	...	...	...	...	...	...
The Reconstruction of Western Culture .....	...	...	...	...	...	...	857	4	12	...	...	...
Modern Social Movements .....	...	...	...	...	...	...	...	...	...	858	4	5
Research in Special Problems .....	870	1-4	13	870	1-4	11	870	1-4	14	870	1-4	13
SOILS												
Soil Management .....	...	...	...	401	5	27	401	5	34	401	5	34
Soils for Agricultural Teachers .....	...	...	...	405	3	11	...	...	...	...	...	...
Theory and Practice of Soil Management .....	...	...	...	601	3	10	...	...	...	...	...	...
Origin and Classification of Soils .....	...	...	...	...	...	...	...	...	...	603	3	15
Physico-Chemical Properties of Soils,	...	...	...	...	...	...	...	...	...	...	...	...
I. Physical Aspects .....	...	...	...	...	...	...	608	5	13	...	...	...
Physico-Chemical Properties of Soils,	...	...	...	...	...	...	...	...	...	609	5	10
II. Chemical Aspects .....	...	...	...	...	...	...	...	...	...	701	3-15	0
Special Problems .....	701	3-15	1	701	3-15	2	701	3-15	2	...	...	...
Research in Soils .....	801	5	7	801	5	5	801	5	8	801	5	7
Soil Seminary .....	...	...	...	802	1	6	802	1	6	802	1	5
SURGERY												
Surgical Anatomy .....	...	...	...	600	2	83	...	...	...	...	...	...
Minor Surgery .....	...	...	...	...	...	...	...	...	...	601	3	84
General Surgery .....	...	...	...	602	5	87	...	...	...	...	...	...
General Surgery .....	...	...	...	...	...	...	603	5	87	...	...	...
General Surgery .....	...	...	...	...	...	...	...	...	...	604	5	85
Gynecology .....	...	...	...	...	...	...	...	...	...	605	3	85
Orthopedic Surgery .....	...	...	...	...	...	...	606	1	88	...	...	...
Conference Clinics .....	...	...	...	607	1	90	...	...	...	...	...	...
Conference Clinics .....	...	...	...	...	...	...	608	1	88	...	...	...
Conference Clinics .....	...	...	...	...	...	...	...	...	...	609	1	86
Operative Surgery .....	...	...	...	610	1	90	...	...	...	...	...	...

THE WORK OF INSTRUCTORS—1932-1933—Continued

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THE OHIO STATE UNIVERSITY

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
VETERINARY MEDICINE												
Topographic Anatomy of Domestic Animals...	...	...	...	404	5	53	...	...	...	...	...	...
Topographic Anatomy of Domestic Animals...	...	...	...	...	...	...	405	5	54	...	...	...
Applied Anatomy of Domestic Animals...	...	...	...	...	...	...	407	5	35	...	...	...
Anatomy of the Horse—Part III...	...	...	...	410	5	74	410	5	13	...	...	...
Anatomy of the Horse—Part II...	...	...	...	...	...	...	411	5	76	...	...	...
Anatomy of the Horse—Part I...	...	...	...	...	...	...	...	...	...	412	5	71
Basic Parasitology...	...	...	...	...	...	...	...	...	...	415	2	59
General Pathology...	...	...	...	...	...	...	...	...	...	421	5	48
Special Pathology...	...	...	...	...	...	...	423	4	37	...	...	...
Special Pathology...	...	...	...	...	...	...	...	...	...	424	4	38
Special Pathology of Infectious Diseases...	...	...	...	426	4	35	...	...	...	...	...	...
Meat Inspection...	...	...	...	...	...	...	427	3	36	...	...	...
Parasitology...	...	...	...	428	4	43	...	...	...	...	...	...
Histology of the Domesticated Animals...	...	...	...	...	...	...	436	5	75	...	...	...
Histology and Embryology of the Domesticated Animals...	...	...	...	...	...	...	...	...	...	437	5	71
Sporadic Diseases of Large Animals...	...	...	...	...	...	...	441	4	36	...	...	...
Sporadic Diseases of Large Animals...	...	...	...	...	...	...	...	...	...	442	4	61
Infectious Diseases of Large Animals...	...	...	...	443	4	34	...	...	...	...	...	...
Agricultural Veterinary Medicine...	...	...	...	451	3	7	...	...	...	...	...	...
Agricultural Veterinary Medicine...	...	...	...	...	...	...	452	3	12	...	...	...
Agricultural Veterinary Medicine...	...	...	...	...	...	...	...	...	...	453	3	8
Materia Medica and Therapeutics...	...	...	...	...	...	...	461	4	53	...	...	...
Materia Medica and Therapeutics...	...	...	...	...	...	...	...	...	...	462	4	53
Diseases of Small Animals...	...	...	...	463	5	38	...	...	...	...	...	...
Medical and Surgical Clinics...	467	3	0	467	3	34	...	...	...	...	...	...
Medical and Surgical Clinics...	468	3	0	...	...	...	468	3	36	...	...	...
Medical and Surgical Clinics...	469	3	2	...	...	...	...	...	...	469	3	38
Physical Diagnosis...	...	...	...	473	1	38	...	...	...	...	...	...
Special Surgery...	...	...	...	474	4	34	...	...	...	...	...	...
Special Surgery...	...	...	...	...	...	...	475	4	38	...	...	...
Special Surgery...	...	...	...	...	...	...	...	...	...	476	4	36
Diseases of Poultry...	...	...	...	...	...	...	481	3	36	...	...	...
General Surgery...	...	...	...	482	5	41	...	...	...	...	...	...
Veterinary Medical Jurisprudence...	...	...	...	...	...	...	507	See 407	...	485	1	34
Applied Anatomy of Domestic Animals...	...	...	...	...	...	...	...	...	...	...	...	...
Breeding Problems...	...	...	...	550	1	36	...	...	...	...	...	...
Breeding Problems...	...	...	...	...	...	...	551	1	36	...	...	...



Breeding Problems	...	...	...	...	...	555	4	38	552	1	35	
Obstetrics	...	...	...	...	...	...	...	...	560	3	37	
Genetic Hygiene	...	...	...	...	561	3	32	...	...	...	...	
Environmental Hygiene	...	...	...	...	...	...	...	...	...	...	...	
Biological Hygiene (Preventive Medicine)	...	...	...	...	...	...	562	4	35	...	...	
Biological Hygiene (Preventive Medicine)	...	...	...	...	...	...	...	...	563	4	34	
Medical and Surgical Clinics	570	3	0	570	3	35	...	...	...	...	...	
Medical and Surgical Clinics	571	3	0	...	...	...	571	3	35	...	...	
Medical and Surgical Clinics	572	3	0	...	...	...	...	...	572	3	36	
Operative Practice	...	...	...	577	1	36	...	...	...	...	...	
Operative Practice	...	...	...	...	...	...	578	1	36	...	...	
Histologic Technic	...	...	...	620	2-5	1	620	2-5	0	620	2-5	3
Pathology Technique	621	2 or 5	1	621	2 or 5	3	621	2 or 5	2	621	2 or 5	1
Advanced Special Pathology	622	2 or 5	1	622	2 or 5	1	622	2 or 5	0	622	2 or 5	0
Parasitology Technique	623	2 or 5	0	623	2 or 5	6	623	2 or 5	9	623	2 or 5	10
Special Problems in Veterinary Surgery	...	...	...	...	...	...	...	...	...	624	1-5	10
Advanced Veterinary Anatomy	...	...	...	625	3 or 5	1	625	3 or 5	3	625	3 or 5	1
Special Problems in Veterinary Medicine	...	...	...	626	2 or 5	2	626	2 or 5	3	626	2 or 5	0
Special Anatomical Pathology	822	5	1	822	5	0	822	5	0	822	5	2
Special Bovine Pathology	823	5	0	823	5	1	823	5	1	823	5	1
Special Pathology Problems	824	5	3	824	5	1	824	5	2	824	5	2
Special Poultry Pathology	825	5	3	825	5	3	825	5	3	825	5	4
Special Parasitology Problems	826	5	2	826	5	3	826	5	4	826	5	4
Research in Special Problems in Veterinary Medicine	...	...	...	827	3 or 5	1	827	3 or 5	1	827	3 or 5	1
Research in Veterinary Surgery	...	...	...	828	5 or 10	1	828	5 or 10	1	828	5 or 10	0
Research Problems in Veterinary Medicine	829	5	0	829	5	0	829	5	1	829	5	4
ZOOLOGY AND ENTOMOLOGY												
General Zoology	401	5	56	401	5	604	401	5	293	401	5	279
General Zoology	402	5	51	402	5	246	402	5	431	402	5	275
General Principles of Heredity	403	5	28	403	5	67	403	5	66	403	5	237
Ornithology	...	...	...	...	...	...	...	...	...	408	5	18
General Entomology	...	...	...	...	...	...	450	5	15	...	...	...
Economic Entomology	451	5	10	451	5	31	...	...	...	451	5	44
Apiculture	...	...	...	...	...	...	...	...	...	461	3 or 5	7
Apiculture	...	...	...	462	3 or 5	0	...	...	...	...	...	...
Animal Parasites	...	...	...	...	...	...	504	5	17	...	...	...
Evolution	...	...	...	...	...	...	509	5	36	509	5	39
Advanced Studies in Animal Heredity	...	...	...	601	3	4	601	3	9	601	3	12
Animal Behavior	605	3	8	605	3	8	...	...	...	...	...	...
Animal Behavior	...	...	...	...	...	...	606	3	5	...	...	...
Animal Behavior	...	...	...	...	...	...	607	3	0	...	...	...
Animal Microtechnic	...	...	...	...	...	...	...	...	...	609	3 or 5	9
Cellular Biology, I	...	...	...	...	...	...	617	5	11	...	...	...
Cellular Biology, II	...	...	...	...	...	...	...	...	...	618	5	13
Advanced Zoology of the Vertebrates	...	...	...	...	...	...	...	...	...	620	5	14
Advanced Zoology of Invertebrates, I: The Protozoa	...	...	...	625	5	24	...	...	...	...	...	...
Advanced Zoology of Invertebrates, II	...	...	...	...	...	...	626	5	24	...	...	...
Advanced Zoology of Invertebrates, III	...	...	...	...	...	...	...	...	...	627	5	9
Advanced Entomology	651	5	4	651	5	9	...	...	...	...	...	...
Advanced Entomology	...	...	...	...	...	...	652	5	5	...	...	...

THE WORK OF INSTRUCTORS—1932-1933—Continued

COURSE SUBJECT	SUMMER QUARTER			AUTUMN QUARTER			WINTER QUARTER			SPRING QUARTER		
	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections	Course No.	Credit Hours	Total No. of Students in All Sections
Insect Control .....	...	...	...	653	5	8	...	...	...	654	5	7
Insect Control .....	...	...	...	...	...	...	...	...	...	...	...	...
Medical and Veterinary Entomology .....	...	...	...	...	...	...	655	5	12	...	...	...
Entomological Literature and Principles of Taxonomy .....	...	...	...	...	...	...	660	5	5	...	...	...
Special Problems .....	700	3-5	38	...	...	...	...	...	...	...	...	...
Special Problems .....	...	...	...	701	3 or 5	25	701	3 or 5	19	701	3 or 5	25
Seminary in Zoology and Entomology .....	...	...	...	801	1	41	...	...	...	...	...	...
Seminary in Zoology and Entomology .....	...	...	...	...	...	...	802	1	42	...	...	...
Seminary in Zoology and Entomology .....	...	...	...	...	...	...	...	...	...	803	1	30
Invertebrate Zoology .....	...	...	...	805	5	4	...	...	...	...	...	...
Invertebrate Zoology .....	...	...	...	...	...	...	806	5	7	...	...	...
Invertebrate Zoology .....	...	...	...	...	...	...	...	...	...	807	5	6
Research Work in Zoology and Entomology .....	810	3-10	24	...	...	...	...	...	...	...	...	...
Research Work in Zoology and Entomology .....	...	...	...	811	3-10	31	...	...	...	...	...	...
Research Work in Zoology and Entomology .....	...	...	...	...	...	...	812	3-10	30	...	...	...
Research Work .....	...	...	...	...	...	...	...	...	...	813	3-10	29
Biological Control of Insect Pests .....	...	...	...	814	5	8	...	...	...	...	...	...
Biological Control of Insects .....	...	...	...	...	...	...	815	5	9	...	...	...
Biological Control of Insects .....	...	...	...	...	...	...	...	...	...	816	5	7
Morphology and Development of Insects .....	...	...	...	817	5	12	...	...	...	...	...	...



## APPENDIX IV

\* SHOWING THE WHOLE NUMBER OF DEGREES IN COURSE CONFERRED SINCE THE FOUNDING OF THE UNIVERSITY

[illegible]

APPENDIX IV—*Concluded*[illegible]

\* Statistics given prior to 1904 covered only the degrees granted at the Commencement.



## APPENDIX V

DEGREEES AND CERTIFICATES GRANTED DURING YEAR 1932-1933

### SUMMER CONVOCATION

#### GRADUATE SCHOOL

Dean: WILLIAM McPHERSON

#### DOCTOR OF PHILOSOPHY

Arthur Anderson, B.Sc. in Agr., M.S. (University of Nebraska)	Columbus
William Edwin Arnold, A.B. (Kentucky Wesleyan College); A.M. (Columbia University)	Winchester, Ky.
Ernest Edward Bayles, A.B., M.A. (University of Kansas)	Columbus
Herman Daniel Behrens, B.Sc. in Edu. (Kansas State Teachers College of Emporia); M.A.	Pratt, Kan.
Ernest Lavern Bowman, B.S. (Pennsylvania State College); A.M. (Columbia University)	Columbus
Jay Lea Chambers, A.B., M.A. (University of Kentucky)	Morehead, Ky.
Alan Theodore Chapman, B.S. in Chem. (State College of Washington); M.Sc.	Vancouver, Wash.
Lloyd Allen Cook, A.B. (Franklin College)	Emporia, Kan.
Craig William Eagleson, B.S. (Iowa State College of Agriculture and Mechanic Arts); M.Sc.	Ames, Ia.
George Wilbur Eddy, A.B., A.M. (Brown University); M.A. (Harvard University)	Youngstown
James Ozro Engleman, A.B. (Indiana University); A.M. (University of Chicago)	Kent
Robert Kriegbaum Fox, B.A., M.A.	Columbus
Frederick Paxton Frutchey, B.A. (Ursinus College); A.M. (Colorado State Teachers College)	Denver, Col.
Norma Catherine Furtos, B.A., M.A. (Western Reserve University)	Cleveland Heights
Alfred Earl Galloway, B.A., M.Sc.	Columbus
Alfred Benjamin Garrett, B.S. (Muskingum College); M.Sc.	Glencoe
Martin Luther Goetting, A.B. (Rio Grande College); M.A.	Bidwell
Dwight Elder Gray, B.A. (Muskingum College); M.Sc.	Jamestown
Harold John Grimm, A.B. (Capital University); M.A.	Columbus
Ralph Horn, A.B. (Ashland College); M.A.	Columbus
Ralph Alden Loring, B.S. (Dartmouth College); M.A. (Harvard University)	Columbus
Leston Lewis Love, B.S., M.S. (Oregon State College)	Corvallis, Ore.
Berthus Boston McInteer, B.S. in Agr., M.Sc. (University of Kentucky)	Lexington, Ky.
Franklin Holbrook McNutt, A.B., M.A. (Wittenberg College)	Springfield
Albert Henry Meier, A.B. (Illinois College); M.A. (Northwestern University)	Nashville, Ill.
James Vard Melton, B.S. (Stephen F. Austin State Teachers College); M.A.	Columbus
James Archibald Naftel, B.S., M.S. (Alabama Polytechnic Institute)	Bessemer, Ala.
James Curtis Newlin, A.B. (Guilford College); Haverford College)	Richmond, Ind.
Allen Edgar Ragan, A.B. (Miami University); A.M. (University of Chicago)	Greenville, Tenn.
Vernon Leslie Ricketts, B.Sc. in Chem., M.S. (State College of Washington)	Pullman, Wash.
Alfred Byron Sears, B.A. (The College of Wooster); M.A. (University of Wisconsin)	Westerville
Victor Solberg, Ph.B. (University of Wisconsin); M.A. (University of Kansas)	Eau Claire, Wis.
William John Tinkle, A.B. (Manchester College); M.A.	Muncie, Ind.
Logan Abner Waits, Ph.B. (University of Chicago); A.M. (Columbia University)	Mount Orab
Dwight Lester Warrick, A.B. (Otterbein College); M.A.	Montpelier
Ernest Lester Welborn, B.S., A.M. (Columbia University)	Terre Haute, Ind.
Dorothy Jane Woodland, B.S. (The College of Wooster); M.Sc.	Warren
Robert Earl Yoder, B.Sc. in Agr.	Wooster

(Thirty-eight candidates)

## MASTER OF ARTS

Henry Preston Adams, B.S. in Edu. (Oklahoma Agricultural and Mechanical College)

Bartlesville, Okla.

Leonore Katherine Alway, B.S. (University of Minnesota).....St. Paul, Minn.

Anna Eleanor Anderson, B.A. (Muskingum College).....New Concord

Luro Anderson, B.A. (Illinois Woman's College).....Pontiac, Ill.

William Frank Asman, A.B. (Capital University).....Marysville

Kathryn Lawrence Augspurger, A.B. (Bluffton College).....Hamilton

Francis Augustus Babione, B.S. in Bus. (Miami University).....Luckey

Basil A. Bailey, B.S. in Edu. (Ohio Northern University).....Greenville

Margaret Elinor Ballantyne, B.A. (Muskingum College).....Xenia

Clayton Merrel Barden, B.Ch.E. ....LaRue

Jesse Leonard Barnhart, B.Sc. in Agr. ....Monroeville

John Samuel Barrington, B.Sc. (Denison University).....Chatfield

Mary Rosabelle Barron, A.B. (Miami University).....Dayton

Harry Clyde Bauman, B.S. in Edu. (Kent State College).....Sardis

Smyres Leonard Beaty, B.S. in Agr. (Purdue University).....Rawson

Byron Coleman Biggs, Ph.B. (Kenyon College).....Mt. Vernon

Dorothy Virginia Billman, B.A. (Western Reserve University).....Cleveland

Lewis Edgar Bly, B.S. in Edu. (Mansfield State Normal School).....Mansfield, Pa.

Orville Abram Bowman, B.S. in Edu. (Bowling Green State Normal College).....Findlay

Lucile May Boyd, B.S. in Edu. (Ohio University).....Woodsfield

Ellen Fessenden Boyer, Ph.B. (The College of Wooster).....Columbus

Harriet Evelyn Brate, B.S. in Edu. (Miami University).....Hamilton

William John Brown, B.Sc. in Edu. ....Logansport, Ind.

Edith Roberta Bruehlman, B.Sc. in Edu. ....Republic

Willard Combs Bryan, B.S. in Edu. (Kent State College).....Cleveland

Carleton Eugene Buell, A.B. (Oberlin College).....St. Louis, Mo.

Max Hyman Burstein, B.A. ....Columbus

Martha Florence Burwell, B.S. in Edu. (Bowling Green State Normal College).....Upper Sandusky

Wilbur Carl, B.S. (Carnegie Institute of Technology).....East Canton

James Donivan Carson, B.S. (Muskingum College).....New Dover

William Earnest Caswell, B.S. in Edu. (Mansfield State Teachers College).....Mansfield, Pa.

Alice Eliza Clemson, B.Sc. in Edu. ....Thornville

Clair D. Cocanower, A.B. (Manchester College).....Pioneer

Paul Oscar Cochran, B.S. (Muskingum College).....Lore City

Morton Victor Collen, B.S. in E.E. (Purdue University).....Madison

Edna Marie Cope, B.A. (Ohio Wesleyan University).....Painesville

Harold Humphrey Cope, B.S. in Edu. (Bowling Green State Normal College).....Upper Sandusky

Rebecca Lucile Cornet, B.A., B.Sc. in Edu. ....Columbus

William Morton Curphey, B.Sc. in Bus. Adm. ....Dayton

Kathleen Kinney Davis, B.Sc. in Edu. ....Washington C. H.

Ward Wendell Davis, B.Sc. in Edu. ....Warsaw

Gordon Morgan DeWitt, B.S. in Edu. (Kent State College).....Bucyrus

Hilmer Christian Dickman, B.A. (Ohio Wesleyan University).....New Bremen

John Carl Dorsey, B.S. in C.E. (Georgia School of Technology).....Cleveland

William Jacob Durling, B.S. (Mount Union College).....Amherst

Harold H. Eibling, B.S. in Edu. (Ohio Northern University).....Findlay

Theodore Roger Eley, A.B. (Manchester College).....Union City

Howard Agnue Emmons, A.B. (Ashland College).....Ashland

Leon Ernest Falgren, B.S. in Edu. (Kansas State Teachers College).....Kansas City, Kan.

Frederick Arthur Ficken, A.B. (Oberlin College).....Albany, N. Y.

Lyle Rexford Fletcher, A.B. (Ohio University).....Gambier

Daniel Wetzel Fox, Jr., A.B. (Marshall College).....Huntington, W. Va.

Mary Frances Fox, B.Sc. in Edu. ....Columbus

Maurice Arthur Fox, A.B. (Hiram College).....Burton

Aleen Mowen Froehlich, B.Sc. in Edu. ....Lima

Enno George Fruewald, B.Sc. in Edu. ....Columbus

Russell Spencer Geil, A.B. (Denison University).....Granville

Ruth Evelyn Gilley, A.B. (Olivet College).....Dayton

John Forsythe Glandon, B.S. in Edu. (Ohio University).....Columbus

Dudley Peters Glick, B.A. ....Columbus

Lauren Avery Glosser, B.A. ....Upper Sandusky

Mary Ruth Gorsuch, A.B. (Ohio University).....Pomeroy



Forest McKinley Guthrie, A.B. (Ohio University)	Athens
Frank Edward Hale, B.A.	Bellevue
Robert Howard Hall, B.Sc. in Agr.	Ashville
George Allen Hawkins, B.A. (West Virginia University)	Dayton
Robert Washington Haws, B.S. in Edu. (Ohio University)	Hamilton
Josephine Ollire Henders, B.A. (Ohio Wesleyan University)	Columbus
Leonard Luther Henninger, A.B. (Ohio University)	Franklin Furnace
Otter Jesse Hill, B.Sc. in Edu.	Marengo
Paul Stettler Hochsettler, A.B. (Bluffton College)	Findlay
Ivan Hostetler, A.B. (Bluffton College)	Sugarcreek
Thomas Jefferson Huffman, A.B. (Marshall College)	Milton, W. Va.
Thomas David Hughes, B.Sc. in Bus. Adm.	Lorain
Jack Fein Isakoff, B.A. (Western Reserve University)	Cleveland
Henriette Marta Jardon, B.S. (The College of the City of Detroit)	Detroit, Mich.
Lawrence Lee Jarvie, B.S. in Edu. (Ohio University)	Toledo
Richard Huey Jefferson, A.B. (West Virginia State College)	Albany, N. Y.
Dana Howard Johnson, A.B. (Wittenberg College)	Marysville
John Mason Jones, A.B. (Rio Grande College)	Thurman
Vernon David Keeler, A.B. (Rio Grande College)	Jackson
Jesse Alexander Keyser, B.Sc. in Edu., B.Sc. in Agr.	New Concord
Lena R. Kiefer, B.A. (Western Reserve University)	Findlay
Warren Royal Kindy, A.B. (Manchester College)	Middlebury, Ind.
Richard Novel Knapp, B.A.	Dorset
Carl F. Koontz, B.S. (Kent State College)	Louisville
Duncan Huey Kyle, B.S. in Edu. (Wilberforce University)	Clarksburg, W. Va.
Gottlieb Johann Lampl, A.B. (Capital University)	Circleville
Ralph Hoover Lane, A.B. (Capital University)	Ashville
Goldie Darline Lesser, B.A., B.Sc. in Edu.	Columbus
Sherman Orno Liming, A.B. (Cedarville College)	Willshire
Francis Fulton Little, B.Sc. in Edu.	Manchester
Ruth May Madden, A.B. (Bethany College)	Hebron
Harry Clifton Mahan, A.B. in Com. (Ohio University)	Ashtabula
Hugh Orlando Mallett, B.Sc. in Edu. (Muskingum College)	Batesville
Lawrence Thompson Mann, B.S. (Ashland College)	New London
Vernal Seale Mann, A.B. (Ashland College)	Mansfield
Gilbert Anthony Martello, B.Sc. in Edu.	Ashtabula
Albert Larue Mattoon, A.B. (Otterbein College)	Westerville
Walter Neri Matz, B.S. (Capital University)	Bellevue
Mayme Estill McCall, B.A. (Antioch College)	Cincinnati
Ruth Elizabeth McClarren, B.A., B.Sc. in Edu.	Columbus
Leo Eldridge McCoy, B.A., B.Sc. in Edu.	Delaware
Susie McCreery, A.B. (Oberlin College)	Brecksville
Gwendolen Benedict McDowell, A.B. (Wilson College)	Ashley
Otto Carl Meyer, A.B. (Capital University); B.Sc. in Edu. (Bowling Green State Normal College)	Versailles
Clarence David Miller, B.A. (University of Iowa)	Iowa City, Ia.
Gordon Melville Minton, A.B. (The College of the City of Detroit)	Detroit, Mich.
Franklin Given Moore, B.Sc. in Bus. Adm.	Columbus
Bernice Amelia Moran, B.A. (Ohio Wesleyan University)	Delaware
Margaret Martina Morris, B.S. (Columbia University)	Columbus
James Frederick Murphy, A.B. (University of Illinois)	Logansport, Ind.
Marbury Bladen Ogle, Jr., B.A.	Columbus
Arthur Turner Orner, A.B. (Leland Stanford University)	Cleveland
Harold Wilton Overman, B.A.	Columbus
Gain Rinehard Patton, B.S. in Edu. (Ohio Northern University)	Powell
Alpha Cleveland Pence, B.A. (Ohio Wesleyan University)	Coshocton
Fred Bradford Pettay, B.A. (Muskingum College)	Troy
Harold Auburn Pieffer, B.S. (Denison University)	Barberton
Arthur Martin Pikor, B.Sc. in Edu.	Cleveland
Layton Charles Pollock, A.B. (Defiance College)	Sullivan
Leland T. Powell, B.S. (Denison University)	Mt. Gilead
Ernestine Evelyn Price, A.B. (Randolph-Macon Women's College)	Parkersburg, W. Va.
Raymond Wilbert Pringle, A.B. (Oberlin College)	Grand Rapids
Edward Lawrence Pross, B.Sc. in Edu., B.A.	Chillicothe



Orville Ralph Raberding, B.S. in Edu. (Bowling Green State Normal College)	Clyde
Lloyd Louis Ramseyer, A.B. (Bluffton College)	Heyworth, Ill.
Ayden Albert Remy, Ph.B. (Kenyon College)	Crestline
George Rilling, A.B. (Capital University)	Bucyrus
William Kouns Robinson, B.A.	Washington C. H.
Margaret Roling, B.A., B.Sc. in Edu.	Columbus
Allyn Stage Rose, B.Sc. in Edu.	Columbus
Charles Robert Ross, A.B. (Michigan State Normal College)	Kent
Rebecca Ann Ross, A.B. (Denison University)	Eriline, Ky.
Donald Franklin Sattler, A.B. (Kenyon College)	Mt. Vernon
Warren Edward Schaefer, A.B. (Wittenberg College)	Springfield
Howard Walter Scheurman, A.B. (Defiance College)	Defiance
Mabel Mary Schramm, A.B. (Marietta College)	Marietta
Arthur B. Shibley, B.Sc. in Edu.	Conover
Herman Leroy Shibley, B.Sc. in Edu.	Tiro
Samuel Shimp, B.S. (Mount Union College)	Uhrichsville
William Henry Shupe, B.I.E.	Columbus
Curtis Paul Smith, A.B. (Marshall College)	Proctor, W. Va.
Clare Berkley Snodgrass, B.Sc. in Edu.	Barberton
Leonard Franklin Snyder, B.S. (Heidelberg College)	Akron
Milton Francis Sprunger, A.B. (Bluffton College)	Roseville, Ill.
Mary Elizabeth Staley, B.A. (Wells College)	Springfield
Frank Nicholas Stanton, B.A. (Ohio Wesleyan University)	Dayton
Doris Cathrine Stout, A.B. (Ashland College)	Pleasant Hill
Lillian Virginia Stover, B.A. (Ohio Wesleyan University)	Nelsonville
Mary Jane Strayer, B.A.	London
Paul Edman Strube, B.S. in Edu. (Kansas State Teachers College)	Great Bend, Kan.
Mary Ivory Strubel, B.A. (The College of Wooster)	Columbiana
Merle Richard Sumption, A.B. (Capital University)	Gahanna
Elvin Warnock Swander, B.A. (Earlham College)	West Elkton
Wilbur William Swartz, B.S. in Edu. (Bowling Green State Normal College)	Bloomdale
Neil Emerson Taylor, B.Sc. in Bus. Adm.	Pickerington
Pearl William Thomas, B.S. in Edu. (Ohio Northern University)	Forest
Helena Schwall Tubaugh, A.B. (Ohio University)	Woodsfield
John Wynne Vernon, A.B. (Ohio University)	Athens
Harold Sellev Vincent, A.B. (Greenville College)	Cuyahoga Falls
Isabelle Florence Wagner, B.S. in Edu. (Bowling Green State Normal College)	Castalia
Ray Osburn Walker, B.Sc. in Edu.	Piqua
Walter Bogart Wedge, (Ohio Wesleyan University)	West Alexandria
Lawrence Virgil Weed, B.Sc. in Bus. Adm.	Columbus
Roy Jacob Wertheim, B.A.	Findlay
Foster Elijah Whitacre, A.B. (Ohio University)	Cleveland
Lena May Wilson, B.A. (The College of Wooster)	Columbus
Zane Allen Wilson, A.B. (Otterbein College)	Mansfield
William Dunn Wing, B.A.	Dayton
Paul Kenneth Winter, B.S., B.A. (Muskingum College)	Columbus
Raymond A. Withey, A.B. (Bucknell University)	Youngstown
Hobart William Witte, B.A. (The University of the City of Toledo)	Waterville
Charles Floyd Wolfe, B.Sc. in Bus. Adm.	Nelsonville
Homer Baldwin Wood, B.S. in Edu. (Ohio University)	Fredericktown
Eleanor Morgan Woolman, B.S. in Edu. (Kent State College)	Kent
Russell Joseph Woolman, B.S. in Edu. (Muskingum College)	Kent
Edwin Arthur Young, B.A. (University of Akron)	Akron
Cecilia Helen Zarembski, B.A., B.Sc. in Edu.	Toledo
Gertrude Nothstine Zeller, B.Sc. in Edu.	Woodville
Glenn W. Zeller, B.Sc. in Agr.	Woodville

(One hundred eighty-one candidates)

## MASTER OF SCIENCE

Herbert Joyce Barrett, B.A. (Ohio Wesleyan University)	East Liberty
John Paul Barrett, B.A.	New Albany, Ind.
Lawrence George Brubaker, B.Sc. in Agr.	Ashland
Francis Pettit Bundy, B.S. (Otterbein College)	Westerville
Robert Douglas Cameron, B.A.	Columbus



Ralph Keith Child, B.Ch.E.	Washington C. H.
Charles Edwin Cusic, A.B. (Otterbein College)	South Bloomingville
William Merrill Davis, B.S. (Rio Grande College)	Chillicothe
Ivy William Duggan, B.S. (Clemson Agricultural College)	Mississippi State College, Miss
John Frederick Eichelberger, B.S. in Physics (Case School of Applied Science)	Dayton
James Kenneth Farrell, B.A.	Fremont
Gertrude Ollie Fleeman, A.B. (Wittenberg College); B.Sc. in H.E.	Springfield
Orin Peneton Gard, A.B. (Wittenberg College)	Tremont City
Ralph Nelson Gibbs, B.Sc. in Edu.	Columbus
Hubert Arthur Grove, B.Met.E.	Columbus
Homer James Hall, A.B. (Marietta College)	Marietta
Herman Henry Harrison, B.Sc. in Agr.	Columbus
Leon Havis, B.S. in Agr. (Texas Technological College)	Lubbock, Tex.
Harold Bruce Hill, B.Sc. in Edu.	Columbus
Doris Merrill Horch, B.Sc. in H.E.	Summit Station
Raymond Baldwin Kelsey, B.S. (Connecticut Agricultural College)	Middletown, Conn.
Claude Clayton Kiplinger, A.B. (Western Reserve University)	Alliance
Lehr Flynn Kissling, B.Ch.E.	Columbus
William Peter Koontz, B.Ch.E.	Columbus
Lillian Katharine Krueger, B.Sc. in Edu.	Toledo
Sol Levy, B.S. (Carnegie Institute of Technology)	Youngstown
Earl Albert Long, A.B. (Catawba College)	Charlotte, N. C.
Don D. Martin, A.B. (Manchester College)	North Canton
Sylvan Cuyler Martin, B.C.E.	Columbus
Merle Gano McFadden, B.S. in Edu. (Indiana State Teachers College)	Stewartsville, Ind
Gordon F. Moore, B.S. (Wilmington College)	Rarden
William I. Mutchmore, B.A. (Ohio University)	Canton
William Carl Nettles, B.S. (Clemson Agricultural College)	Clemson College, S. C.
Rene Oehler, B.A. (University of Illinois)	Elgin, Ill.
John Templeton Poffenberger, A.B. in Edu. (Ball State Teachers College)	Columbus
Homer Skilton Powley, B.S. (Kenyon College)	Monroeville
J. D. Quinn, B.Sc. (Mississippi Agricultural and Mechanical College)	Sturgis, Miss.
Ruth Veth Rinear, B.A., B.Sc. in Edu.	Columbus
Brice Albert Schumacher, B.E. Physics	Columbus
William Clifton Sears, B.A. (Ohio Wesleyan University)	Cambridge
Raymund Russel Starbuck, B.S. (Wilmington College)	Columbus
Archie Robert Stevenson, B.Met.E.	Uhrichsville
Lester Marion Stone, B.Sc. in Agr.	Delaware
Clair Olen Throne, B.S. (Manchester College)	Pioneer
James Edward Trotman, B.S. (Wilberforce University)	Xenia
Ralph Burdellas Vogel, B.Sc. in Edu.	Wharton
Cecil Herbert Wadleigh, B.S. (Massachusetts State College)	Milford, Mass.
Kenneth Jackson Weir, A.B. (Ohio Northern University)	Ashtabula
Sigmund Joseph Zarembski, B.Sc. in Edu.	Toledo

(Forty-nine candidates)

## MASTER OF ARTS IN SOCIAL ADMINISTRATION

John Aloysius Ey, Jr., B.A.	Columbus
Andrew Roy Truelson, B.Sc. in Bus. Adm.	Conneaut

(Two candidates)

## CANDIDATES FOR TWO DEGREES

Dorothy Childs	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Robert Clarence Taylor	Washington C. H.
Bachelor of Arts	
Bachelor of Science in Education	

(Two candidates)

## THE OHIO STATE UNIVERSITY

## COLLEGE OF AGRICULTURE

Acting Dean: JOHN I. FALCONER

BACHELOR OF SCIENCE  
IN AGRICULTURE

William Wayne Balliet .....	Van Wert
Elmer Forrest Felton .....	Eaton
Robert Leslie Fletcher .....	Columbus

(Three candidates)

BACHELOR OF SCIENCE  
IN HOME ECONOMICS

Naomi Ethel Adrian .....	Columbus
Mary Luella Bargmann .....	Toledo
Erma Loree Blackburn .....	Cumberland
Margaret Esther Cram .....	Conneaut
Florence Dorothy Geese .....	Worthington
Erma Leone Henderson .....	Coshocton
Vera Bauman Hill .....	Rising Sun
Ella Louise Hoffman .....	Columbus
Wilma L. Kirkbride .....	Deerfield
Charlotte Elizabeth Lanman .....	Columbus
Lucille Mary Link .....	Monroeville
Doris Imogene McDonald .....	New Lexington
Marian Katherine Morris .....	Columbus
Mary Elizabeth Nicholson .....	Columbus
Helen Elizabeth Reid .....	South Charleston
Shirley Mary Scherer .....	Columbus
Minnie May Sesser .....	Centerburg
Katharine Myers Sheckler .....	Harpster
Madalene Cornelia Sparrow .....	Columbus
Vivian Rosella Stern .....	Cleveland
Madge Fluette Straw .....	Ohio City
Harriett Aurilla Tulloss .....	Mt. Vernon
Ruth Elizabeth Winland .....	East Liverpool

(Twenty-three candidates)

## COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD

## BACHELOR OF ARTS

Helen Lucile Adeock .....	Zanesville
Aloysius Carleton Allen .....	Zanesville
Jerome Joseph Alt .....	New Washington
Joseph James Borchert .....	Cleveland
Henry Joseph Caren .....	Columbus
Nunzio Cerasa .....	Lorain
*Dorothy Childs .....	Columbus
Clifford Harry Coles .....	Westfield, N. J.
Viola Frances Crawford .....	Mt. Sterling
John Richard Desiderio .....	Newark, N. J.
Elizabeth Louise Drum .....	Columbus
Edgar Elliott Findlay .....	Columbus
Wilbur Graham Fisher .....	Akron
Helen Baldwin Gray .....	Medina
William LeRoy Halfaker .....	Columbus
Robert Browning Harness .....	Marietta
Ernest Kaim Hatton .....	Cleveland Heights
James Arther Helm .....	Fairport Harbor
Mary Josephine Keegan .....	Columbus
John Harold Kegg .....	Columbus
Charles Kenneth Kincaid .....	Troy
Helen Fern Lawson .....	Columbus
Leslie Lovass (cum laude and with High Distinction in Economics) .....	Columbus



Mary Jeannette Nichols, B.S. in Edu. (Ohio University)	St. Clairsville
Helen Norma Nupuf	Columbus
George L. Pelton	Columbus
Robert George Pike	Orange, N. J.
Joseph William Pound	Newark
Louis Ravin	Toledo
Herbert Blough Rieth	Goshen, Ind.
Joseph Ramous Sanchez	Columbus
Robert Lister Scott	Dover
Eleanor Ruth Shultzman (with High Distinction in English)	Orrville
Mabel Elizabeth Sims	Bluefield, W. Va.
Helen Marilena Spear	Columbus
Robert Clarence Taylor	Washington C. H.
Mary Grace Thexton	Youngstown
Cecil Bates Twine	Cincinnati
George Ernest Tyack	Columbus
John Plato Walsh	Canton
John Larimer Wilson	Greenville

(Forty-one candidates)

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE  
IN BUSINESS ADMINISTRATION

James Richard Argo	Columbus
Lyle John Babbitt, Jr.	Columbus
Thomas Schaad Bachman	Columbus
Doyt Eugene Bell	Columbus
Seyford Lowell Betz	Minerva
Lester George Brailey	Swanton
Earl Homer Bugbee	Canandaigua, N. Y.
Fred Russell Cashner	Lorain
Robert William Cassil	Columbus
Theodore Christopher Chang	Shanghai, China
Charles Edward Davis	Columbus
Gilbert Harris Durbin	New Rochelle, N. Y.
Earl Daniel Durr	Bucyrus
John Donald Fort	Ridgewood, N. J.
Lawrence Shedrick Gable	Youngstown
Bruce Osborn Gebhardt	Columbus
Nathan Louis Kazdin	Lorain
Matilda Kline	Portsmouth
Dale Frederick Krebs	Carey
Ford Franklin Linzee	Mansfield
Harold Wayne Loomis	Columbus
Charles John Lopes	Brooklyn, N. Y.
Robert Dallas Marshall, A.B. (Cedarville College)	Cedarville
Robert Dale Musson	Dayton
Harvey Edward Rodgers	Norwood
Michael Albert Roth	Bridgeport, Conn.
Bernard Sperber	New York, N. Y.
David Stein	Youngstown
Harold Allen Stewart	Sharonville
Verna Helen Thomas	Columbus
Charles Oscar Tracy	Columbus
Robert Alexander Wahl	Martins Ferry
Kathryn Mae Williams	Warren
J. Milton Zeckhauser	Columbus

(Thirty-five candidates)

\* Two degrees

## THE OHIO STATE UNIVERSITY

BACHELOR OF SCIENCE  
IN JOURNALISM

Richard Joseph Beard .....	Toledo
Ethel Minnie Cadley .....	Columbus
Llewellyn Anderson Coles .....	Columbus
Vincent James Donahue .....	Cleveland
Helen Mae Westerman .....	Bremen

(Five candidates)

BACHELOR OF SCIENCE  
IN SOCIAL ADMINISTRATION

Allice Gertrude Bell .....	Columbus
Virginia Elizabeth Hartman .....	Columbus
Elizabeth Mae Neiswonger .....	Columbus

(Three candidates)

COLLEGE OF EDUCATION  
Acting Dean: ARTHUR J. KLEINBACHELOR OF SCIENCE  
IN EDUCATION

Clara Hardway Barnett .....	Tuppers Plains
Ellsworth Carl Bartlett .....	Ashley
Rhea Elizabeth Beard .....	Linworth
Rupert Rennison Beetham .....	Cadiz
Dorothy Jane Boyd .....	Columbus
Glendon Kenneth Bradford .....	Rutland
Selma Marcelle Brown .....	Warren
David Clifton Bryant, Jr., B.A. ....	Bowling Green
Inez Pickering Bryant .....	Columbus
Vera Anne Candon .....	Cleveland
Violet McCune Cash .....	Girard
*Dorothy Childs .....	Columbus
Charles Ernest Cobb .....	Martins Ferry
Edna Elizabeth Cochran .....	Danville
Grace Colvin .....	Marion
Bertha Creswell .....	Cedarville
Joseph John Crifasi .....	Brooklyn, N. Y.
Hiram Wayne Cummings .....	Edinboro, Pa.
Irene Curless .....	Blanchester
Ernest Clifford Dilger .....	West Rushville
Roger Winferd Easley .....	Columbus
Marlin Kelton Farmer .....	Piketon
Carrie Isabelle Fischer .....	Columbus
James Theodore Flood, B.A. (Gallaudet College) .....	Elyria
Gertrude Marie Fox .....	Cleveland Heights
George Frederick Francis .....	Toboso
Mabel Fudge .....	Canal Fulton
John Wilford Gahn .....	Fremont
Henrietta McCarty Gillespie .....	Zanesville
Muriel Carrie Goen .....	Columbus
Sadabelle Grimm .....	Lancaster
B. Harry Gunderson .....	Stoughton, Wis.
Adalma Leona Henschen .....	St. Marys
Eunice Dissinger Hercher .....	Columbus
Marjorie Brown Hilkert .....	East Cleveland
Allein Yant Holden .....	Youngstown
Marian Priscilla Holfelner .....	Columbus
Martha Marguerite Howser .....	Marion
Mahala Edna Ingram .....	Chester, W. Va.

\* Two degrees.



Della Greek Knotts	Columbus
Margaret McNabb Koehler	Columbus
Frances Elaine Krasevec	Cleveland
Franklin Myron Krause	Lorain
Elsie Ethel Krumbein	Akron
James Cecil Lawson	Columbus
Benjamin B. Levenson	Cleveland
Benjamin Lampson Lewis, II, B.A. (Washington and Lee University)	Columbus
John Siegbert Lorr	Toledo
David Robert Lyons	Columbus
Jessie Turner Mahn	Elyria
Robert Chase McCafferty	Grandview
Janet Winifred McCluer	Dayton
John Wilson McNeill	Kenton
Elizabeth Smith McQuown	Martins Ferry
Francis Leo Meara, B.E.E., M.A., Ph.D.	Columbus
Ruth Martha Metzger	Junction City
Lavonne June Middlesworth	Columbus
Rose Eloise Miller	Dayton
Duffrin Alexis Morris	Yorkville
Esther Marian Nelson	Hopewell
Bertha Mae Orr	Lockland
Louise Mary Ort	Columbus
Martin Edward Peck	Sturgis, Mich.
Dorothy Marie Penman	Portsmouth
Dale Curtis Powell	Columbus
Kenneth DeWitt Powers	Ashley
Irene Erdis Reynolds	Oberlin
Herbert Alva Rogers	Pioneer
Lucile Row	Greenfield
Mildred Iona Sampson	Van Lue
Sarah Sampson	Baltimore, Md.
Herbert Harvey Sanders	Youngstown
Sadybelle Scott	Canton
Edna Ruth Shuster	West Union
Allen Alexander Staub	Columbus
Gaylord B. Stephenson	Columbus
Chester Kenneth Stichweh	Dayton
Jacob Lehr Swihart	Fostoria
Dorothy Grace Swisher, B.A. (Smith College)	Columbus
*Robert Clarence Taylor	Washington C. H.
Richard Ernest Teichert	Waverly
Elizabeth Floretta Terrill	Ridgeway
Dorothy Doris Tice	Columbus
Eva Anita Tolan	Rockford
William Howell Ward	Cadiz
Leland Homer Whitacre	Alliance
Essa Vera Willison	Sunbury
Lewis John Wiragos	Rome
Olive Woodruff	Columbus
Myrtie Florence York	Toledo
Mary Marceline Yost	New Matamoras
Louis Anthony Zarembski	Toledo

(Ninety-three candidates)

## BACHELOR OF FINE ARTS

Julian Arba Wheelock	Warren
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(One candidate)

\* Two degrees.

## THE OHIO STATE UNIVERSITY

## COLLEGE OF ENGINEERING

Acting Dean: WILLIAM D. TURNBULL

## BACHELOR OF AGRICULTURE

Harold LeRoy Henderson ..... Mansfield  
 Armand Herald Innocenzi ..... Cleveland

(Two candidates)

## BACHELOR OF ARCHITECTURAL ENGINEERING

Robert Joseph Schomer ..... Youngstown

(One candidate)

## BACHELOR OF CERAMIC ENGINEERING

Haven Max Zimmerman ..... Fremont

(One candidate)

## BACHELOR OF CHEMICAL ENGINEERING

Homer Robert Gill ..... Ashland  
 Elmer Charles Plotter ..... Akron  
 Cyril Routledge Porthouse ..... Ravenna  
 Harold Wright Quigley ..... Sidney  
 Charles Eugene Roth ..... Dayton  
 Hyman Hirsch Weinberg ..... Cleveland

(Six candidates)

## BACHELOR OF CIVIL ENGINEERING

James Frank Baxa ..... Cleveland  
 Clyde Smythe Jenkins ..... Whittier, Calif.  
 Clarence Leslie Rice ..... Wellston  
 Robert Leslie Wehr ..... Youngstown

(Four candidates)

## BACHELOR OF MECHANICAL ENGINEERING

Clifford Alden Bough ..... East Liverpool  
 Frank Louis Prachar ..... Cleveland

(Two candidates)

## BACHELOR OF METALLURGICAL ENGINEERING

George Thomas Motok ..... Columbus

(One candidate)

BACHELOR OF SCIENCE  
IN APPLIED OPTICS

Howard Fenimore Haines, B.Sc. in Bus. Adm. ..... Columbus  
 Aram Tootikian ..... Cleveland

(Two candidates)

## COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE  
IN PHARMACY

Raymond Mitchell Royle ..... Canfield

(One candidate)



## COLLEGE OF VETERINARY MEDICINE

Dean: OSCAR V. BRUMLEY

## DOCTOR OF VETERINARY MEDICINE

Donald Eckert Simes.....Howard, S. D.

## CERTIFICATE OF PUBLIC HEALTH NURSING

Eugenia Cornea Motok, R.N. ....Columbus

Ada Elizabeth Gallaway, R.N. ....St. Marys

(Two candidates)

## AUTUMN CONVOCATION

## GRADUATE SCHOOL

Acting Dean: FRANCIS N. MAXFIELD

## DOCTOR OF PHILOSOPHY

Carroll Ely Amos, B.S. (Denison University).....Newark

Raymond Durling Bennett, A.B. (Otterbein College); A.M. Columbia University.....Columbus

Lawrence Guy Brown, A.B. (Dakota Wesleyan University).....Delaware

Robert Hall Bruce, B.A.; M.A. (University of California).....Columbus

Carl Dan Killian, B.S. (North Carolina State College of Agriculture and Engineering);

A.M. (Columbia University).....Hayesville, N. C.

Robert Nathaniel McCormick, B.A. (Muskingum College); M.Sc. ....New Concord

Lien Chung Wen B.Sc. in Edu., M.A. ....Nanki, China

Edward Floyd Wesp, B.S. (The College of Wooster); M.Sc. ....Canton

(Eight candidates)

## MASTER OF ARTS

Norman DeWitt Alexander, B.A. (Ohio Wesleyan University).....Delaware

Claude Alvin Bruner, A.B. (Wittenberg College).....Washington C. H.

Clyde Brady Cochran, B.A. ....Columbus

Paul Weimer Davidson, A.B. (Otterbein College).....Westerville

Viva Agnes Foster, B.S. in Edu. (Drake University).....Purdy, Ia.

Naomi Estelle Frech, A.B. (University of Cincinnati).....Cincinnati

George Thomas Vayne Galladay, B.S. in Edu. (Ohio Northern University).....DeGraff

John Nathaniel Hart, B.Sc. in Bus. Adm. ....Chesterhill

William Candel Hartmann, A.B. (Colorado State Teachers College).....Denver, Colo.

Sumner Lewis Henderson, B.Sc. in Bus. Adm. ....Columbus

Emerson Daniel Jenkins, A.B. (Colgate University).....Utica, N. Y.

Harry Samuel Kemp, B.A. ....Dayton

Wendell Reuben Koch, B.A. ....Dayton

Margaret Louise Kramer, B.A. ....Columbus

Avis Maud Lamb, B.A. (Vanderbilt University).....Hamilton

Oscar Lawrence, B.A., B.Sc. in Edu. ....Columbus

Alice Louise Lewis, B.A. (Berea College).....Berea, Ky.

Guy Edison McFarland, B.S. (Otterbein College).....Sunbury

Raymond Fay McMullen, B.A. ....Loudonville

Chester Lee Messmore, B.A. (The University of Toledo).....Toledo

Robert Demming Myers, B.A. ....Dayton

Raymond Walter Onsted, A.B. (Defiance College).....Defiance

Willis Von Pond, A.B. (Wittenberg College).....Urbana

Ruth Romaine Prior, B.A. (Ohio Wesleyan University).....Columbus

Thurlow Scott Robe, B.A. (Muskingum College).....Frazeysburg

Argra Etta Ruffer, B.S. in Edu. (Kent State College).....Ridgeville Corners

Hazel Eleanor Rugg, A.B. (Western Reserve University)	Cleveland
Carl Milton Senn, B.Sc. in Agr., B.Sc. in Edu.	Attica
Hyman Harry Silverman, B.S. in M.E., B.S. in Edu. (Ohio Northern University)	Nevada
Ethel Margaret Templeton, B.S. in Edu. (Ohio University)	Woodsfield
James Otha Tressler, B.Sc. in Agr.	Delta
Wildah Mae Turnbull, B.A.	Columbus
Ruth Evelyn Vorce, B.A.	Columbus
Mildred Ozilla Wertman, B.Sc. in Edu.	Stoutsville

(Thirty-four candidates)

## MASTER OF SCIENCE

James Robert Blanchard, B.Met.E.	Millersburg
Lynes Harold Booher, B.A. (Muskum College)	Canton
Leslie Canup, A.B. (Wilmington College)	Middlebury
Chung Hsin Chung, A.B. (University of Southern California)	Peiping, China
James Alton Cox, B.Sc. in Agr.	Woodsfield
Clarence Harold Culler, B.M.E.	Loudonville
Clarence Leroy Evans, B.Cer.E.	Steubenville
Elsie Maybelle Friebe, B.A., B.Sc. in H.E.	Columbus
Harry Gehman, B.S. (Ashland College)	Ashland
Lawton Carl Gerlinger, B.A. (Capital University)	Fostoria
Glenn Earl Haney, B.M.E.	Dalton
Hayes Matchett Herschler, B.Sc. in Agr.	Columbus
Carl William Lundgreen, B.Ch.E.	Akron
Russell William Mebs, B.E.E.	Columbus
Charles Vincent Reeves, B.S. (Agricultural College of Utah)	Bingham City, Utah
Samuel James Simmons, B.A.	Pittsburgh, Pa.
Arthur Abraham Slobod, B.S. (Rensselaer Polytechnic Institute)	Schenectady, N. Y.
Herbert Maxwell Strohg, B.S. (University of Toledo)	Toledo
Edna Mae Tucker, B.Sc. in H.E.	Columbus
Ruth Lillian Wheatcraft, B.Sc. in Edu.	New Lexington
Forrest Brooks Whittington, B.S. (Clemson Agricultural College)	Loris, S. C.

(Twenty-one candidates)

## COLLEGE OF AGRICULTURE

Dean: JOHN F. CUNNINGHAM

BACHELOR OF SCIENCE  
IN AGRICULTURE

Carl Clifton Deeds	Lancaster
Dale Thompson Friday	Lexington
Bernard Francis Glenn	McConnelsville
John Armstrong Lindsay	Columbus
Orpha Glenn Pettijohn	Sardinia
James Myron Runyan	Mechanicsburg
Paul Edward Schepflin	Fremont

(Seven candidates)

BACHELOR OF SCIENCE  
IN HOME ECONOMICS

Elizabeth Brown	Bethesda
Lois Virginia Hale	Columbus
Eleanor Elizabeth Murbach	Toledo
Edithe Irene Tipton, A.B. (Western College for Women)	Knightstown, Ind.

(Four candidates)

## COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD

## BACHELOR OF ARTS

Gaylord Pierce Albaugh	Dayton
Richard Sandoe Bachman	Columbus
Mary Benson Baltzell	Columbus



Ralph Stancliff Edwards (Summa cum Laude)	Cleveland
Dan Chayne Ferguson	Akron
Mary Isabelle Hall, B.Sc. in Edu.	Columbus
Mary Esther Hambleton	Columbus
Frank Henry Harris	Martins Ferry
Robert Carl Haubrich	Columbus
Edward William Heine	Columbus
Margaret McKay Henking	Huntington, W. Va.
Edmund Burke Jones	Kenton
George Jacob Kiezele	Columbus
Louis Samuel Lebo	Cleveland
Francisco Alvarez Mariani	Sa. Germain, P. R.
James Gordon McCurry	Huntington, W. Va.
Chester Miller	Columbus
Gilbert Paul Miller	Canton
Jacob Gordon Morton	Hamilton
Ruth Elizabeth Moss	Columbus
Robert Othmar Otto	Columbus
Frank Eddie Owczarzak	Toledo
Clarence Glenn Paisley	Old Washington
Justin Edward Polen	Dover
Sam Jack Rich	Columbus
Ferdinand Alois Riss	Columbus
Mary Ellen Schwartz	Columbus
Grace Maribelle Snyder	Columbus
Eliza Ann Stewart	Ironton
Ted Carl Wilson	Columbus
George Sausser Yingling	Columbus

(Thirty-two candidates)

## BACHELOR OF SCIENCE

Italo Darin Puppel	Bellaire
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(One candidate)

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE  
IN BUSINESS ADMINISTRATION

Charles Herman Annala	Jefferson
Joseph John Bauer	Columbus
Frank Arden Berlien	Kenton
Jim Vance Burton	Columbus
George Herbert Carroll	Cleveland
Vernon Earle Cordell	Columbus
Wilmer Donald Cowgill	Shaker Heights
Merle Elrick	Hebron
Edwin Craig English	Loveland
Wayne Kinsley Flick	Cleveland
Ralph Benjamin Goodsell	Columbus
John Edwin Hall	Mansfield
Howard Nelson Henderson	Lynchburg
Lot Earle Jenkins	Martins Ferry
Raymond Luther Johnson	Bridgeport, Conn.
Sidney Katz	Marietta
John Stanley Knotts	Columbus
John Boynton Lininger	Columbus
Theodore Mahaffey	Cleveland
William Henry McGovern, Jr.	Columbus
Robert Harold McIntire	Toledo
Louis Ernest Molnar	Cleveland

Allen Walker Murray	Columbus
John Ludlow Pendery, Jr.	Wyoming
Iry Nelson Potts	New Straitsville
LaVerne Bernard Reboulet	Dayton
Roy Neumeister Redlin	Hamilton
Eugene Phillip Rouge	Cleveland
Roy Ellsworth Shroyer	Dayton
Eloise Elizabeth Spacht	Columbus
Ruth Littleton Sparks	Summitville, Ind.
Robert Lewis Spurrier	Marysville
George Hopple Thomas, Jr.	Columbus
Mildred Bell Tilbrook	Dresden
Thomas Sharp Tilbrook	Warren
Elizabeth Toth	Cleveland
Everette Waldo Travis	Martins Ferry
Arthur Allan Weisheimer	Columbus
Lloyd Shounn Wise	Milford

(Thirty-nine candidates)

#### BACHELOR OF SCIENCE IN JOURNALISM

Richard Joseph	New York, N. Y.
John Emil Lucks	Columbus
Kathryn Auvetta Shy	Columbus
Frank Joseph Walinski	Toledo
Harold Franklin Wellman	Geneva

(Five candidates)

#### BACHELOR OF SCIENCE IN SOCIAL ADMINISTRATION

Lucille Bauman Friend	Pleasantville
Doris Jean Giller	Columbus

(Two candidates)

#### COLLEGE OF EDUCATION Dean: GEORGE FREDERICK ARPS

#### BACHELOR OF SCIENCE IN EDUCATION

Dwight Marvin Barney	Flint, Mich.
Joan Good Boose	Somerset, Pa.
Olive Clevenger	Columbus
Mary Frances Focke	Columbus
Iretha Mae Frettinger	Groveport
Edna Wahlers Fuller	Dunbridge
Robert John Grady	Columbus
Kenneth Everett Grove	Warren
Patricia Ruth Helm	Roanoke, Va.
Marie Bonita Hobensack	Chillicothe
Mary Elizabeth Innis	Columbus
Margaret Barbara Kappler	Columbus
Charles Mordecai Kollin	Cleveland
Harry Wade Kraner	Columbus
Elizabeth Burnett Lewis	East Cleveland
Frank Matthew Ludewig	Columbus
Margaret Julia Lunsford	Huntington, W. Va.
Julia Rebecca Meiser	Bryan
James Richard Moscato, B.A.	Yorkville
Karene Esther Randall	Defiance
Richard Adam Sauerbrun	Warren
Leona Gertrude Saylor	Painesville



Charles Edwards Seddon .....	Columbus
Robert Widney Wells .....	Nashport
Lowell Ashley Wrigley .....	Lima

(Twenty-five candidates)

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

BACHELOR OF ARCHITECTURE

Herman Charles Light .....	Columbus
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(One candidate)

## BACHELOR OF ARCHITECTURAL ENGINEERING

Frank Ernest Wesley, Jr. ....	Columbus
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(One candidate)

## BACHELOR OF CERAMIC ENGINEERING

Adrian Guy Allison .....	Marietta
Kenneth William Balsizer .....	Fremont
Vernon Harrison Kidner .....	Westerville
Horace LaVerne Latimer .....	Kenton
Wilbur Jackson McKinney .....	Columbus

(Five candidates)

## BACHELOR OF CHEMICAL ENGINEERING

John Poast .....	Carlisle
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(One candidate)

## BACHELOR OF CIVIL ENGINEERING

John Kenneth Dumbauld .....	Uhrichsville
Robert Dinsmore McKinley .....	Grove City
Floyd Carl Redick .....	Findlay
John Julius Ricker .....	Columbus
Franklin Farison Snyder .....	Toledo
Eugene Bingham Sullivan .....	East Hartford, Conn.
William Louis Traxel .....	Maysville, Ky.

(Seven candidates)

## BACHELOR OF ELECTRICAL ENGINEERING

Frank Hagan Milliken .....	Uhrichsville
Daniel Frederick Streib .....	Columbus

(Two candidates)

## BACHELOR OF ENGINEERING IN MINING

Joseph Michael Cannon .....	Columbus
Lloyd Klintworth Schultheis .....	Marietta

(Two candidates)

## BACHELOR OF INDUSTRIAL ENGINEERING

Arthur Loope Bowers, Jr. ....	Zanesvelli
John Andrews Buckley .....	Cleveland Heights

(Two candidates)

## BACHELOR OF MECHANICAL ENGINEERING

Howard Frank Spillner .....	Cleveland
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(One candidate)

## THE OHIO STATE UNIVERSITY

## BACHELOR OF METALLURGICAL ENGINEERING

Emil Milton Galbreath ..... Troy  
 Clyde Arlington Rodgers ..... Conneaut

(Two candidates)

## COLLEGE OF MEDICINE

Dean: JOHN H. J. UPHAM

## CERTIFICATE OF PUBLIC HEALTH NURSING

Esther Rose Hauptli, R.N. .... Columbus

(One candidate)

## WINTER CONVOCATION

## GRADUATE SCHOOL

Dean: WILLIAM McPHERSON

## DOCTOR OF PHILOSOPHY

Arthur Glenn Chapman, B.S. (Iowa State College of Agriculture and Mechanic Arts) ; M.S.

Martinsville, Ill.

Arthur Charles Cole, Jr., B.A., M.Sc. .... Cleveland Heights

Marion Earle Collins, A.B. (Cedarville College) ; M.A. .... Cedarville

Ralph Waldo Cordier, A.B. (Manchester College) ; M.A. .... Hartsville

Dorothy Rose Disher, B.A. (Ohio Wesleyan University) ; M.A. .... Whitehouse

Edwin Elbert Heizer, B.Sc. in Agr., M.Sc. .... Columbus

Edward O'Connor Purtee, A.B. (Wittenberg College) ; A.M. (Columbia University) .. Youngstown

David Cecil Rife, B.Sc. in Agr., M.A. .... Cedarville

Solomon Frederick Whirl, B.A., M.Sc. .... Lima

Harold Monroe Whitacre, B.S. (Mount Union College) ; M.A. .... Alliance

(Ten candidates)

## MASTER OF ARTS

Kathryn Ruth Aikin, B.A. (Muskingum College) ..... Louisville

Rudolph Edward Augspurger, A.B. (Bluffton College) ..... Hamilton

Kenneth William Bunce, A.B. (Otterbein College) ..... Westerville

Demetrio Agustin Cabarga, B.A. .... Columbus

Glenn Dell Duckwall, A.B. (Otterbein College) ..... Clayton

James Sylvester Few, B.Sc. in Bus. Adm. .... Columbus

Leon Philip Goldstein, B.A. .... Columbus

Addie Celestia Holcomb, B.S. in Edu. (Bowling Green State Normal College) ..... Gibsonburg

GEORGE LEE JOHNSON, A.B. (Bradley Polytechnic Institute) ..... Peoria, Ill.

Alice Ada May, B.Sc. in Edu. .... Circleville

Paul Robert McKain, B.A. .... Youngstown

Wilma McCune Mintier, B.A. (Muskingum College) ..... New Concord

Paul Cross Morrison, B.Sc. in Bus. Adm. .... Columbus

Allen Eugene Rupp, B.A. (Ohio Wesleyan University) ..... Marietta

Sallie Monnett Sears, B.A. (Ohio Wesleyan University) ..... Bucyrus

Elizabeth Shaul, B.A. .... Bryan

Edward Leroy Starr, B.S. (Capital University) ..... Celina

Henry T. Weiner, B.A. .... Cleveland

James Edwin Wert, B.S. (Adrian College) ..... Columbus

Joy Lillian Wood, B.Sc. in Edu. .... Harrisburg

(Twenty candidates)

## MASTER OF SCIENCE

John Starbuck Alden, B.S. (Davidson College) ..... Dayton

Ruth Mildred Beard, B.Sc. in Edu. .... Columbus

John Carl Beltz, A.B. (Marietta College) ..... Columbus



Edith Thoren Channel, Ph.B. (University of Chicago)	Wilmington
Joseph Hilary Chilcote, B.Cer.E.	Uhrichsville
Clyde Oliver Davis, A.B. (Hiram College)	Ravenna
Dale Raymond Eberhart, B.A.	Savannah
Thomas Thurman Folger, B.Sc. in Agr. (Berea College)	Aberdeen
Howard Joseph Fralish, A.B. (Ripon College)	Berlin, Wis.
Hubert Graham Guy, B.S.A. (University of Florida)	St. Augustine, Fla.
Clarence Samuel Harris, B.A.	Bedford
Paul Edward King, B.Sc. in Agr.	West Liberty
George Fredric Leydorf, B.E.E.	Perrysburg
Dwight Miller Palmer, B.Sc., M.D.	Scio
Thomas Walter Reed, B.Sc. in Agr.	Cadiz
Austin Wilbur Secoy, B.Met.E.	Lancaster
Harold Metzler Steiner, B.Sc. in Agr.	Wapakoneta
Yao Fang Tsou, B.A.	Changchow, China
Charlotte Louise Whiteford, B.A.	New Philadelphia
Anna Caroline Wintzer, A.B. (Mount Union College)	Wapakoneta
Henry Johnson Wolthorn, A.B. (Hope College)	Grand Rapids, Mich.

(Twenty-one candidates)

#### MASTER OF ARTS IN SOCIAL ADMINISTRATION

James Henry Stiffler, A.B. (Hiram College)	Canton
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(One candidate)

#### COLLEGE OF AGRICULTURE

Dean: JOHN F. CUNNINGHAM

##### BACHELOR OF SCIENCE IN AGRICULTURE

Edward Ralph Amiet	Wooster
Ralph Edward Bender	Waldo
Dean Randolph Brant	Lucasville
Donald Audason Charles	Washington, D. C.
Ross Isael Churchward	Columbia Station
Blair Maxwell Drake	Montpelier
Charles Adam Haas	Strasburg
Meredith Hall	Marysville
Herschel Earl Hecker	Prospect
George Hostetler	Smithville
Carl Lohmeyer	Verona, N. J.
Cloyd Ellsworth Marshall	Barberton
Allen William Martin	Kenton
George Edward McConnell	Salem
Dale Frederick Miller	Canal Winchester
Tom Reed Moorhead	Findlay
Lloyd Austin Morningstar	Seville
Leslie Charles Petri	Willoughby
Claude Elton Rhoad	Bloomville
James Tallman Smith	Peoria
Ray Emmett Starlin	Stewart
Wilbur Edward Stuckey	Bloomville
Charles Byron Weaver	Marysville

(Twenty-three candidates)

##### BACHELOR OF SCIENCE IN HOME ECONOMICS

Martha Eleanor Beal	Dresden
Sarah Frances DeWees	Washington C. H.
Jeannette Gantz	Westerville
Kathleen Scobie	Columbus

Ruth Myrl Trout .....	Columbus
Hermene Martha Vogel .....	Columbus
Doris Lucille Weaver .....	Cleveland
(Seven candidates)	

## COLLEGE OF ARTS AND SCIENCES

Acting Dean: WILLIAM LLOYD EVANS  
BACHELOR OF ARTS

Dorothea Louise Anderson .....	Toledo
William John Barker (cum laude) .....	Columbus
Floyd Barton Chapman .....	Columbus
Harold Gibson Davidson .....	Columbus
Emma Hamill Edwards .....	Cleveland
Mark Abraham Freedman .....	Columbus
Alice Elsie Garlen .....	New York, N. Y.
Maurice Fackler Garwood .....	Columbus
Marcella Gatterdam .....	Columbus
Richard Sheridan Gould .....	Cincinnati
Marian Pellow Handley .....	Columbus
Hannibal Hampton Hubble .....	Columbus
Herbert Morton Jacobs .....	Cleveland
Hazel Dell Kefauver (with Distinction in Economics) .....	Columbus
Harold LeRoy Keiser .....	Fremont
Margaret Isabel Kelso .....	Portsmouth
Willis Joseph Kirkbride .....	Toledo
Daniel Baxter Krumm .....	Columbus
Thornton Lake .....	Shaker Heights
Clark Clayton Latshaw .....	Fostoria
Richard Walter Lindsay .....	Norwood
Elizabeth Adair Miles .....	Columbus
Elizabeth Caroline Noe .....	Cincinnati
Matthew Anthony Norcia .....	Mountain Iron, Minn.
Paul Albert Oelgoetz .....	Columbus
Lewis Kirts Osborne .....	Columbus
Andrew Lawrence Petrillo .....	Youngstown
Lillian Marie Posch .....	Cleveland
Elizabeth Morrow Reeder (cum laude and with High Distinction in Zoology) .....	Columbus
Sieghardt Michael Riegel (cum laude and with Distinction in German) .....	Lakewood
Ruth Woods Smith .....	Columbus
Douglas Harold Stanton .....	Columbus
Charles Leonard Stiers .....	Columbus
William Onslow Sweet .....	Columbus
Carl Herman Tangeman .....	Wapakoneta
John David Workman (summa cum laude and with High Distinction in German) .....	Lakewood
(Thirty-six candidates)	

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

BACHELOR OF SCIENCE  
IN BUSINESS ADMINISTRATION

Robert Louis Anderson .....	Columbus
Wilbur Ronald Ansley .....	Kenton
Gerald Robert Aronson .....	Cleveland
Louis Barrett Baldwin .....	North East, Pa.
Samuel Boyer Berwald .....	East Cleveland
Leon Henry Best .....	Tiffin
Lloyd William Bogart .....	Vermillion
Daniel Charles Bonbright .....	Cincinnati
Herbert St. Clair Boring, Jr. ....	Portsmouth



Donald Harper Fisher .....	Columbus
Carrie Elizabeth Fleming .....	Columbus
Albert Geller Gilsdorf .....	Columbus
Albert Boyd Henry .....	Lancaster
Orland Melvin Hoock .....	Hamilton
Joseph Santford Huffer .....	Muncie, Ind.
Harold Harris Jacobs .....	Newark, N. J.
William Louis Jonas .....	Columbus
Clara Frances Ketner .....	Columbus
Thorald Strock Klinedinst .....	Canton
John Frederick Konnerth .....	Erie, Pa.
Herman William Lackman .....	Cincinnati
Kenneth Ashley Manring .....	Columbus
Jay Fleming Merchant .....	Prospect
James Ernest Otto .....	Columbus
Laura Phillips Rawn .....	Huntington, W. Va.
Albert Robert Schneider .....	Cleveland
James Joseph Sexton, Jr. ....	Columbus
James Emory Shields .....	Columbus
Mildred Lucille Spring .....	Hilliards
Bernard Parnell Sweeney .....	Columbus
Joseph William Thomas .....	Columbus
Earl Fredrick Thurn .....	Cleveland
Ronald Dalton Williams .....	Swanton
Franklin Eugene Wilson .....	Dayton
Hunter Dent Young .....	Columbus

(Thirty-five candidates)

#### BACHELOR OF SCIENCE IN JOURNALISM

Richard Maximillian Hettinger .....	Lancaster
David Ellsworth Riley .....	Fort Wayne, Ind.
Clarence Gordon Spirakus .....	Cleveland

(Three candidates)

#### BACHELOR OF SCIENCE IN SOCIAL ADMINISTRATION

Odessa Nason .....	Cincinnati
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(One candidate)

### COLLEGE OF EDUCATION

Dean: GEORGE FREDERICK ARPS

#### BACHELOR OF SCIENCE IN EDUCATION

Philip Atkins .....	Cleveland
Martha Leonard Corrodi .....	Columbus
Vera Burdette Dickerson .....	Sanford, Fla.
Katharyn Elizabeth Distelrath .....	Wapakoneta
William Richard Fiedler, B.I.E. ....	Uhrichsville
Emma Mae Force .....	Shreve
Christine Olive Fortin, B.A. (Smith College) .....	Columbus
Robert Lee Hart .....	Antwerp
Juanita Bernadine Hummell .....	Lancaster
Lucile Elizabeth Hunt .....	Shelby
Arthur Walter Lee, B.A. ....	Bellevue
Edith Naomi Lehman .....	Columbus
Eleanor Marshall, B.A. ....	Columbus
Homer John McCandless .....	Dayton
Harold Arthur Mitts .....	Columbus
Paul Merle Moyer .....	Sandusky

Anna Harriet Mura .....	Youngstown
Louis Joseph Peppe .....	Columbus
Bessie Phillips .....	Columbus
Wilbur Warner Phillips .....	Cleveland
Leland Stanford Purdy .....	Mt. Vernon
Bernice Elizabeth Rowles .....	Pleasantville
Augusta Caroline Schmandt .....	Delaware
John Jackson Slaughter .....	Leesburg
Faye Hulshizer Smith .....	Granville
Harvey Clinton Tucker .....	Lucas
Margaret Rosamond Williams .....	Columbus

(Twenty-seven candidates)

## BACHELOR OF FINE ARTS

Maynard Stephen Warner .....	Willoughby
William Widney Wells .....	Nashport

(Two candidates)

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

## BACHELOR OF ARCHITECTURE

Melvin Theodore Werner .....	Berea
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(One candidate)

## BACHELOR OF ARCHITECTURAL ENGINEERING

Willard Lindlay Bundy .....	Tacoma
William Thomas Halligan .....	Cleveland
John William Koenig .....	Cincinnati
Richard Melvin Larimer .....	Columbus
Wilbert Nelson Welty .....	Pandora

(Five candidates)

## BACHELOR OF CERAMIC ENGINEERING

James Allen Eagleson .....	Circleville
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(One candidate)

## BACHELOR OF CHEMICAL ENGINEERING

Ralph Everett Cramer .....	Fostoria
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(One candidate)

## BACHELOR OF CIVIL ENGINEERING

David Warren Force .....	Diamond
Philip Gutter .....	Columbus
Stephen Eugene Kaliher .....	Lima
John Franklin Piper .....	Canton
Carl Dilts Walker .....	Columbus

(Five candidates)

## BACHELOR OF ELECTRICAL ENGINEERING

Francis Marion Hageman .....	Sidney
Francis Albert Liedel .....	Delta
Emanuel Matthews .....	Tiffin

(Three candidates)

## BACHELOR OF ENGINEERING IN MINING

Clyde Clinton Tiffany .....	Kenmore, N. Y.
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(One candidate)



## BACHELOR OF INDUSTRIAL ENGINEERING

James William Gwyn .....	Denver, Colo.
Harold Chester Miller .....	Akron
Lyle A. Sanders .....	Clyde
Norman M. Sullivan .....	Columbus
Roger Leroy Weider .....	Springfield

(Five candidates)

## BACHELOR OF METALLURGICAL ENGINEERING

Charles William Alesch .....	Findlay
Robert Alfred Blackburn .....	Dayton
Henry Whitney Warner .....	Columbus
Laurence A. Weaver .....	Columbus

(Four candidates)

## COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE  
IN PHARMACY

Otto Kenneth Michaelis, Jr. ....	Columbus
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(One candidate)

## COLLEGE OF VETERINARY MEDICINE

Dean: OSCAR V. BRUMLEY

## DOCTOR OF VETERINARY MEDICINE

Walter Leo Dunlap .....	Circleville
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(One candidate)

## SPRING CONVOCATION

## GRADUATE SCHOOL

Dean: WILLIAM McPHERSON

## DOCTOR OF PHILOSOPHY

Howard Holsten Alden, B.S. (Carnegie Institute of Technology) ; M.A. ....	Massillon
Clarence Bremer, A.B. (Hope College) ; M.Sc. ....	Holland, Mich.
Fred Brown, B.A., M.A. ....	Columbus
Elmer William Cook, B.S. in Chem. Engr. (University of Arkansas) ; M.Sc. ....	Buckner, Ark.
Dorothy Porter Cummings, B.A., B.Sc. in Edu., M.A. ....	Columbus
David Haigh Dawson, B.S. in Chem. Engr. (Drexel Institute of Arts, Science, and Industry) ; M.Sc. ....	Philadelphia, Pa.
Elvin Frank Donaldson, B.Sc. in Bus. Adm., M.A. ....	Columbus
John Solomon Hare, B.A., M.A. ....	Columbus
Ford Howell Harries, A.B., M.A. (University of Utah) ....	Teton, Idaho
Marquis LaFayette Harris, B.S. (Clark University) ; B.D. (Gammon Theological Seminary) ; S.T.M. (Boston University) ....	Cleveland
Emmett Leroy Harshbarger, A.B. (Bluffton College) ; M.A. ....	Bluffton
Seth Edson Haven, B.S. in Edu. (Ohio University) ; M.A. ....	Columbus
George Frederick Henning, B.Sc. in Agr., M.Sc. ....	Hicksville
Gilford John Ikenberry, B.S. in Agr., M.S. (Kansas State Agricultural College) ....	Quinter, Kan.
James Tamplin Laing, A.B. (West Virginia University) ; M.A. ....	Huntington, W. Va.
William Lester Leap, B.S. in Chem. (Washington and Lee University) ; M.S. (University of Virginia) ....	Roanoke, Va.
Quinter Marcellus Lyon, A.B. (George Washington University) ; M.A. (Princeton University) ....	Ashland

Mary Annetta Magill, B.A., M.A. ....	Columbus
Joseph Adelbert Martz, B.Cer.E., M.Sc. ....	Columbus
Ray Leroy McCleary, A.B. (Ohio Northern University) ; M.A. ....	Ada
Ruth Ella Moore, B.A., M.A. ....	Columbus
Doyle Fontain Osborne, B.A., M.A. (Southern Methodist University) ....	Pampa, Tex.
John Donald Piper, A.B. (Michigan State Normal College) ; M.Sc. ....	Spruce, Mich.
Reuben Holleman Price, A.B. (Western Reserve University) ....	Columbus
John Alden Purinton, Jr., Sc.B. in Chem. (Brown University) ; M.A. ....	Washington, D. C.
James Glenn Ross, B.A., M.A. ....	Columbus
Alzo Pierre Rosselot, A.B. (Otterbein University) ; M.A. (University of Wisconsin) ....	Westerville
Robert William Rothrock, B.Ch.E., M.Sc. ....	Washington C. H.
Walter Clarence Rueckel, B.Cer.E., M.Sc. ....	Columbus
Paul W. Sloan, A.B. (Defiance College) ; M.A. ....	Gretton
James Green Steed, B.S. (Ohio University) ; M.Sc. ....	Athens
James Henry Taylor, B.A., M.A. (Ohio Wesleyan University) ....	Delaware
William Keith Wilson, A.B. (Rio Grande College) ; M.A. ....	Columbus
Yun-Kuei Yang, B.Sc. in Agr., M.Sc. ....	Szechuan, China

(Thirty-four candidates)

## MASTER OF ARTS

Allison Albert Abel, B.Sc. in Edu. ....	Columbus
Elbert Halvor Ahlstrom, A.B. (Marietta College) ....	Columbus
Mary Esther Albright, B.A. ....	Columbus
Naomi Bournier Alspach, A.B. (Denison University) ....	Newark
Aida Mae Artuso, B. School Music (Capital University) ....	Columbus
Lawrence Floyd Ashley, B.Sc. in Ind. Edu. (The Stout Institute) ....	Charleston, Ill.
Donald Eric Babcock, B.A. ....	Canton
Jhilip Harriman Baker, B.A. ....	Columbus
Melvin Garfield Barclay, B.A. ....	Columbus
Delbert Ray Bendure, B.S. in Edu. (Ohio Northern University) ....	Van Wert
Merwin Russell Blanden, B.S. (Allegheny College) ....	Toledo
Willia Jean Bostwick, B.A. ....	Columbus
Norma Gertrude Bown, A.B. (Denison University) ....	Marysville
Irvin Henry Brune, B.S. (The College of Wooster) ....	Mansfield
Henry Bruce Bullard, B.Sc. in Edu. ....	Hamden
Walter Child Burnham, B.Sc. in Bus. Adm. ....	Milford Center
Glenn Camp, B.A. ....	Akron
Marjorie Dunn Campbell, B.Sc. in Edu. ....	Columbus
John Paul Capretto, B.Sc. in Edu. ....	Geneva
Henry Joseph Caren, B.A. ....	Columbus
Gertrude Adele Chandler, B.Sc. in Edu. ....	Waynesville
Sherman Chau, B.A. (Lingnan University) ....	Canton, China
James Russell Coffey, B.A. ....	Creston
Clifford Harry Coles, B.A. ....	Westfield, N. J.
Violet Surface Cook, B.A. (Susquehanna University) ....	Columbus
Walter Atlee Cope, B.Sc. in Edu. (Kansas State Teachers College) ....	Columbus
Sandy Crisafulli, B.A., B.Sc. in Edu. ....	Wadsworth
Charles Martin Cummings, B.A. ....	Columbus
Homer Paul Curry, B.S. in Edu. (Ohio Northern University) ....	Columbus
Adaline Catharine Deafenbaugh, B.S. in Edu. (Wilmington College) ....	St. Clairsville
Jack Francis DePietro, B.Sc. in Edu. ....	Columbus
Sara Jane Deyo, B.A. ....	Columbus
Henry Claude Dieterich, B.A. ....	Columbus
Edwin Eldon Digby, B.S. in Edu. (Bowling Green State Normal College) ....	Genea
Clarence Bertram Dillon, B.S. in Edu. (Ohio University) ....	Athens
Martha Greenwood Dunnick, B.A. (Wellesley College) ....	Columbus
Paul Jacob Fink A.B. ....	Allentown, Pa.
John Edward Fintz, B.Sc. in Edu. ....	Cleveland
David Fishman, B.A. (Western Reserve University) ....	Cleveland
Jean Lampenfeld Forsythe, B.A. (Muskingum College) ....	New Concord
Orian Clarence Frey, A.B. (Ripon College) ....	Ripon, Wis.
David Lieber Friedman, B.A. ....	Toledo
Richard Hanna Frizzell, B.A. (Yale University) ....	Lakewood
Mary Scott Gale, B.Sc. in Edu. ....	Columbus



J. Harvey Gallant, A.B. (Ohio Northern University)	Ada
Robert Morris Gatrell, B.Sc. in Edu.	Marietta
Dorothy May Green, A.B. (Hiram College)	Warren
David Tressel Griggs, B.A.	Chevy Chase, Md.
John Bradfield Harrison, A.B. (Dartmouth College)	Columbus
Milo Cullen Harsh, B.E.E.	Lancaster
Leo Oscar High, B.A. (Antioch College)	Steubenville
Rachel High, B.Sc. in Edu.	Columbus
George Reuben Hiskey, B.A.	Bellevue
Ethel Virginia Hodson, B.A. (Wellesley College)	Dayton
Myrth Edna Hosler, B.Sc. in Edu.	Findlay
Frances Elinor Huggard, B.A.	Columbus
Paul Matthew Hummel, B.A.	Columbus
Irwin Albert Johnson, B.A.	Elyria
Margaret Kantzer, A.B. (Wittenberg College)	Springfield
Louis Joseph Katonak, B.A.	Lorain
Lewis Edward Keck, A.B. (Otterbein College)	Westerville
Paul Denver Keenan, B.S. (Westminster College)	Youngstown
Dorothy Donahey King, B.Sc. in Edu.	Columbus
Mary Waugh King, B.A. (Carnegie Institute of Technology)	South Euclid
Dorothy Bothwell Kohlmetz, A.B. (Oberlin College)	Cleveland
Frances Marcella Krumm, A.B. (St. Marys of the Springs College) ; B.Sc. in Edu.	Columbus
William Peter Lamale, B.Music (Oberlin Conservatory of Music)	Columbus
Dorothy Ledman, A.B. (Muskingum College)	New Concord
Ruth Viola Lee, B.Sc. in Edu.	Basil
Richard Frederick Leitch, B.Sc. in Edu.	Columbus
Effe Hill Lenfesty, B.S. in Edu. (Arkansas State Teachers College)	Peru, Ind.
John Siegbert Lorr, B.Sc. in Edu.	Toledo
Roy Nelson Lovett, B.Sc. in Agr.	Zanesfield
William Harris Matin, B.S., B.S. in Edu. (Wilberforce University)	Wilberforce
James Rutherford Matson, Jr., B.A.	Uhrichsville
Elizabeth Landacre Matthay, B.A.	Columbus
Dwight Eldon McDonel, A.B. (Adrian College)	Lima
Ralph J. McGinnis, A.B. (Miami University)	Oxford
Walter Elmer Meiden, A.B.Ed. (University of Michigan)	Grand Haven, Mich.
John Harper Melvin, B.A. (Ohio Wesleyan University)	Chillicothe
Ersie Emery Miller, A.B. (Wittenberg College)	Springfield
Vera Alice Miller, B.S. (Denison University)	Chesterland
Mary Margaret Mills, B.A. (Ohio Wesleyan University)	Marysville
Mary Elizabeth Moler, B.Sc. in Edu.	Columbus
Benjamin Arthur Moore, B.S. in Edu. (Ohio Northern University)	Marion
Genevieve Hellene Morris, A.B. (Miami University)	Oxford
Clarence Norman Nelson, B.A. (St. Olaf College)	Starbuck, Minn.
Arthur Joseph Olson, B.A. (Union College)	Columbus
Helen Orr Olson, B.A. (Union College)	Columbus
William Bernard Papier, B.Sc. in Bus. Adm.	Columbus
Helen Hoff Peterson, Ph.B. (Brown University)	Columbus
Charles August Reichle, Jr., B.S. in Edu. (Central Missouri State Teachers College)	Norwood
Brandon Garner Rightmire, B.A.	Columbus
Anron Wade Roberts, A.B. (University of Cincinnati)	Mt. Healthy
Clara Haerberle Robinson, A.B. (Marshall College)	Proctorville
Erwin Arthur Robinson, B.A. (Ohio Wesleyan University)	Depauville, N. Y.
Charles Francis Rosen, B.A.	Cleveland
Robert Delnar Royer, A.B. (Mount Union College)	Alliance
Elizabeth Hert Rush, A.B. (Adrian College)	Zanesville
William Albert Rush, A.B. (Adrian College)	Zanesville
Robert Lawrence Scheels, B.Sc. in Bus. Adm.	Columbus
Elsie Florence Schneider, B.Sc. in Edu.	New Philadelphia
Catherine Berg Semans, B.A.	Marietta
Bernice Clara Setterlin, B.Sc. in Edu.	Columbus
Zelma Katherine Seyler, A.B. (Marietta College)	Marietta
Hyman Albert Sheeket, B.A. (Western Reserve University)	Cleveland
John Edward Sheehan, B.Sc. in Bus. Adm.	Berea

\* Two degrees.

Michael William Silver, B.A.	Columbus
Clayton A. Smucker, A.B. (Bluffton College)	Smithville
Samuel Bernard Sonkin, B.A.	Columbus
Mary Helen Southwick, B.A., B.Sc. in Edu.	Columbus
Paul Elwood Stanley, B.A. (Manchester College)	Columbus
Harold Glendon Steele, B.A. (Northwestern University)	Jackson
Edgar Lee Stephenson, B.S. (Mount Union College)	Youngstown
Sara Elizabeth Stewart, B.Sc. in Edu.	Columbus
Judd Thomas Stinchcomb, B.S. (Ohio University)	Culver, Ind.
Myron Thomas Sturgeon, A.B. (Mt. Union College)	Salem
Forrest Jenner Taylor, B.Sc. in Edu.	Amesville
Adam Webster Tenney, B.S. in Agr. Edu. (University of Florida)	Ten Mile, W. Va.
Kathryn Lucile Van Horn, B.S. (Baldwin-Wallace College)	Lakewood
Maurice Hart Van Horn, A.B. (Oberlin College)	Lakewood
Charles Henry Voelker, B.A.	Pataskala
Mary Brightmore Walker, B.S. in Edu. (Kent State College)	Kent
Lawrence Medbery Walters, B.Sc. in Bus. Adm.	Columbus
John William Wargo, B.A.	Belle Valley
Earl Clayton Weygandt, Ph.B. (The College of Wooster)	Minerva
Donald Sharpe Wickerham, A.B. (Cedarville College)	Lewis Center
Chester Paul Widmeyer, B.Sc. in Phar.	Akron
Charles Leonard Williams, Ph.B. (Purdue University); B.Sc. in Phar.	Columbus
George Virgil Wing, B.A.	Worthington
William Vergil Winters, B.A. (University of Iowa)	Industrial College, Ia.
Harold Sanford Wood, A.B. (Oberlin College)	Columbus
Howard Emery Wright, A.B. (Lincoln University)	Zanesville

(One hundred and thirty-three candidates)

## MASTER OF SCIENCE

Clifford Reese Augden, B.S. in Met.E. (Case School of Applied Science)	Poland
Jack Ball, B.E. Physics	Columbus
Willard Francis Bartoe, B.E. Physics	Nelsonville
Elizabeth Hope Basom, B.S. in Edu. (Ohio University)	Athens
Perry H. Blickenstaff, B.S. in V.S., D.V.M. (Washington State College)	Chino, Cal.
Paul Wilson Blume, B.Ch.E.	Columbus
Roy Garner Bossert, B.S. (The College of Wooster)	Oakmont, Pa.
Jimsiana Brassfield, B.Sc. in H.E.	Columbus
Harold Clifford Brill, B.S. (Muskingum College)	Mingo Junction
Robert Lee Clark, A.B. (Marietta College)	Marietta
Isaac Scott Cook, Jr., B.Sc. in Agr.	Chillicothe
George Frederick Delaplane, D.V.M.	Greenville
Earl Henry Dick, B.Met.E.	Cleveland
Guilford Smith Elwood, B.S. (University of New Hampshire); D.V.M.	Derry, N. H.
Harold Taft Emery, B.Arch.E.	Columbus
Russell Rader Fling, B.Arch.E.	Hillsboro
John Bernard Fried, B.A.	Brooklyn, N. Y.
Frank James Gordon, B.Sc. in Agr.	Gallipolis
Norval Henry Green, B.S. in E.E. (Ohio University)	Athens
Victor August Greulich, A.B. (DePauw University)	Van Wert
Robert Custis Grubbs, B.A.	Uhrichsville
James Arthur Herrick, B.Sc. in Edu.	Twinsburg
Mary Ellen Hutton, B.Sc. in H.E.	Columbus
Harriet Sylvia Hyman, B.A.	Columbus
George Dewey Jelen, D.V.M.	Cincinnati
Robert Sherman Justice, B.Sc. in Phar.	Columbus
Karl Mark Kautz, B.Cer.E.	Columbus
Lewis Henry Keller, B.Cer.E.	Grove City
Burnham William King, Jr., B.S. in M.E. (Carnegie Institute of Technology)	South Euclid
Charles Jacob Koenig, B.Cer.E.	Columbus
Karl Kramer, B.E.E.	Columbus
Leonard Cale Kreider, B.A. (Goshen College)	Wadsworth
Emmett Karl LeDune, D.V.M.	Sullivan, Ind.
Arthur Thomas Loew, B.M.E.	Columbus



Frederick Kenneth Mayer, B.Fine Arts .....	Columbus
Robert Hugh McCormick, B.Sc. in Agr. ....	Columbus
George Louis Meyer, A.B. (Marietta College) .....	New Matamoras
George Henry Mittendorf, B.S. in C.E. (Virginia Military Institute) .....	Ironton
Robert Ignatius Modica, III, B.A. ....	Cleveland
Paul Eugene Mong, B.Ch.E. ....	North Baltimore
Elizabeth Minter Moore, B.S. (Muskingum College) .....	Columbus
John Houston Moore, B.S. in E.E. (Tri-State College) .....	Tipton, Va.
George Thomas Motok, B.Met.E. ....	Columbus
Theodore Earl Nichols, D.V.M. ....	Columbus
Phoebe Arnold Paine, B.A., B.Sc. in Edu. ....	Columbus
Cyril Routledge Porthouse, B.Ch.E. ....	Ravenna
Ernest Alfred Remesch, B.S. in C.E. (Case School of Applied Science) .....	Cleveland
Darwin Sprathard Renner, B.E.E. ....	Columbus
Ralston Russell, Jr., B.Cer.E. ....	Pomeroy
Loy Luther Sammet, B.C.E. ....	Columbus
Paul Gerhardt Sammet, B.C.E. ....	Columbus
Rodger Lewis Schaefer, B.E.M. ....	Springfield
Dorothy Marie Siegert, A.B. in Edu. (Valparaiso University) .....	Holgate
Howard Leroy Sittler, B.S. (Purdue University) .....	North Manchester, Ind.
Agnes Mae Skinner, B.Sc. in H.E. ....	Pancoatburg
Roy Edward Smith, B.Ch.E. ....	Columbus
Alfred Worthington Snider, B.Sc. in Phar. ....	Columbus
Roland Bliss Snow, B.A. ....	Marion
Stephen Kleder Stimson, B.M.E. ....	Columbus
John Andrew Stritmatter, B.Arch.E. ....	Columbus
John Ardan Sullivan, B.I.E. ....	Columbus
Charles Richard Taylor, B.A. ....	Cincinnati
Mary Lucille Taylor, A.B. (Lake Erie College) .....	Toledo
Robert Bryant Thornton, B.S. (Pennsylvania State College) .....	Euclid
Mark Ellsworth Ward, B.E.Physics .....	Lancaster
Charles Emmett Waring, B.S. (Muskingum College) .....	Columbus
George William Wassmer, M.E. (Stevens Institute) .....	Woodcliff, N. J.
Harold Arthur Waters, B.S. in Agr. (University of Idaho) .....	Moscow, Idaho
George Willard Watt, B.A. ....	Columbus
Harry Elwood Weidenhamer, B.S. (Ashland College) .....	Ashland
Gordon Ritter Worthen, B.Met.E. ....	Springfield
David Hyman Yospur, B.A. ....	Cleveland

(Seventy-two candidates)

## MASTER OF SCIENCE IN PUBLIC ADMINISTRATION

Robert Miller Nelson, B.Sc. in Bus. Adm. ....	Greenfield
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(One candidate)

## PROFESSIONAL DEGREES

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK

## CERAMIC ENGINEER

Lawrence Eugene Barringer, E.M. in Cer., 1902 .....	Schenectady, N. Y.
George Herbert Brown, Cer.E., 1908 .....	New Brunswick, N. J.
Charles Mitchener Dodd, B.Cer.E., 1927 .....	Rolla, Mo.
Walter Austin Hull, E.M. in Cer., 1902 .....	Salem
Samuel John McDowell, B.Cer.E., 1917 .....	Flint, Mich.
Earle Towse Montgomery, E.M. in Cer., 1907 .....	Franklin
George D. Morris, Cer.E., 1908 .....	New Castle, Pa.

(Seven candidates)

## THE OHIO STATE UNIVERSITY

## CHEMICAL ENGINEER

Franklin Rankin Porter, B.Ch.E., 1916 ..... Chicago, Ill.  
 James Thomas Robson, B.Ch.E., 1919; M.Sc., 1920; Ph.D., 1923 ..... Columbus  
 Harold Eugene Wright, B.Ch.E., 1928 ..... Neenah, Wis.

(Three candidates)

## CIVIL ENGINEER

Joseph Herbert Davies, B.C.E., 1926 ..... Long Beach, Calif.  
 Charles Emerson Pettis, B.C.E., 1923 ..... Toledo  
 Charles Stewart Roach, B.C.E., 1924 ..... Fairmont, W. Va.  
 John Allen Rousculp, B.C.E., 1924 ..... Columbus  
 Elmer Knowles Timby, B.C.E., 1928 ..... Princeton, N. J.

(Five candidates)

## ELECTRICAL ENGINEER

Eugene Caldwell, B.E.E., 1922 ..... Milwaukee, Wis.

(One candidate)

## INDUSTRIAL ENGINEER

Earl Bert Candell, B.E.E., 1921 ..... Cleveland Heights  
 William Bernard Gillen, B.I.E., 1927 ..... Warren

(Two candidates)

## MECHANICAL ENGINEER

Orville Edward Henning, B.M.E., 1928 ..... Flint, Mich.  
 Frederick William Seybold, B.M.E., 1921 ..... Dayton

(Two candidates)

## COLLEGE OF LAW

Dean: HERSCHEL WHITEFIELD ARANT

## JURIS DOCTOR

William Elmer Didelius, B.Sc. in Bus. Adm. .... Sandusky  
 Sherman Kay Levine, B.S. (University of Pittsburgh) .... New Castle, Pa.  
 Elizabeth Stella Wellman, A.B. (University of Michigan) .... Columbus

(Three candidates)

## BACHELOR OF LAWS

John Rutter Allen ..... Zanesville  
 George Maylone Austin, B.A. (Ohio Wesleyan Univ.) ..... Columbus  
 John Henry Baker, A.B. (Otterbein College) ..... Columbus  
 Harold Marcus Baron, B.A. .... Cincinnati  
 Lawrence A. Bennett ..... New Lexington  
 James William Blair, (Ohio Wesleyan University) ..... Chillicothe  
 Raymond Ellsworth Boller, Jr. .... Troy  
 Arthur Melton Boyd, B.A. (Muskingum College) ..... Cambridge  
 Max Britz ..... Toledo  
 Lawrence Burns, Jr. .... Columbus  
 Marshall M. Carlisle ..... Jackson  
 John Persinger Case, A.B. (Denison University) ..... Washington C. H.  
 George William Collier, B.A. (Ohio Wesleyan University) ..... East Palestine  
 Margaret Lydia Daehler, B.A. .... Columbus  
 Dwain McQueen Ewing, A.B. (Indiana University) ..... Canton  
 \*Frank Henry Foster, Jr. .... Toledo  
 Murray Friedman, A.B. (University of Toledo) ..... Toledo  
 Floyd Brice Garrison, B.S. (Clemson College) ..... Columbus

\* Two degrees.



Theodore William Gregg	Columbus
Fred Cartmell Hauck, B.A.	Columbus
William Thomas Hayes, B.A.	Columbus
Max Albert Henkin	Cleveland
Charles Edward Hoffman, B.A. (Antioch College)	Dayton
Francis Patrick Howard, B.A. (St. Xavier College)	Columbus
William Lloyd Howell, B.Sc. in Bus. Adm.	Jackson
Charles Merle Igo	Columbus
Andrew Christian Johnson, B.Sc. in Bus. Adm.	Cleveland
Frederick Hoover Johnston, B.A.	Columbus
Horace Wright Jones, B.A.	Worthington
Paul Martin Jones, B.A.	Marion
Gale Rexford King, B.Sc. in Bus. Adm.	Canal Winchester
Carlyle Clinton Leist, A.B. (Capital University)	Circleville
Sidney Liss	Columbus
Alvan Bevington Loop, B.A.	Columbus
James Judge MacBride, B.A.	Columbus
Keith Martin, B.A.	Columbus
Elliott Elmer Meyers, A.B. (Marshall College)	Ironton
*Richard Bailey Middleton	Waverly
Harvey Winfield Miller, Jr.	Columbus
Virgil Foster Mills, Ph.D. (The University of Chicago)	Canton
William Huston Natcher, A.B. (Western Kentucky State Teachers College)	Bowling Green, Ky.
Hubert Leland Nichol, Jr., B.A.	Columbus
Frederic Clayton Parcher, B.Sc. in Bus. Adm.	Columbus
Wesley Ralph Pence, Ph.B. (Denison University)	Hillsboro
Franklin Thomas Phillips, B.A.	Columbus
John Richard Py	Sandusky
Raglan Russell Reid, B.A. (Wilberforce University)	Dayton
Oney Owen Rice, A.B. (Defiance College)	Sherwood
Oral Boyd Robuck, A.B. (Denison University)	West Union
James Roumeliote	Columbus
William Henry Roy, Jr.	Bellaire
Ulysses Grant Sain, B.Sc. in Bus. Adm.	Dayton
Maurice Lee Schellenger	Jackson
Sara Horwitz Schwartz	Columbus
Kermit Charles Sitterley, B.Sc. in Bus. Adm.	Canal Winchester
Stephanie Julia Skodak	Lorain
Ralph Gibson Smith, B.Sc. in Bus. Adm.	Columbus
Warren Allan Smith, B.A.	Bellefontaine
Livingston Lodge Taylor	Columbus
Thomas Theodore Vradelis, B.Sc. in Bus. Adm.	Middletown
John Harbaugh Wagnitz	Columbus
John Plato Walsh, B.A.	Canton
James Jacob Weaver, B.A.	Crooksville
Wilbur Laufer Weaver, A.B. (Wittenberg College)	Canton
Robert Meck Weston, B.A.	Delaware
Clyde Harrison Wright	Columbus
Harold Philip Zelko	Columbus

(Sixty-seven candidates)

## COLLEGE OF MEDICINE

Acting Dean: VERNE ADAMS DODD

DOCTOR OF MEDICINE—WITH HONORS

Henry Albert Burstein, B.Sc.	Cleveland
Theodore Pearl Day	Westerville
Arthur Dobkin, B.S. (University of Akron)	Akron
Lawton Carl Gerlinger, A.B. (Capital University)	Fostoria
George Elmer Rice, B.A.	Dover
*William Lewis Wead	Xenia

(Six candidates)

\* Two degrees.

## DOCTOR OF MEDICINE

Louis Ira Adelman, B.A. ....	Cleveland
Theodore Clarence Allenbach, B.A. ....	Columbus
Donald Judson Alspaugh, B.Sc. ....	Amanda
Abraham Arons, B.A. ....	Cleveland
J. Herbert Bain, B.A. (Muskingum College) ....	New Concord
Morris Harry Belinky, B.A. ....	Youngstown
Darrel Dwight Bibler, B.A. (Ohio Wesleyan University) ....	Columbus
Charles S. Bishop, Jr., B.A. ....	Pataskala
James Alfred Black, B.Sc. ....	Madeira
*Clara Grace Bonner ....	Columbus
Donald Richard Brumley, B.S. (Ohio Northern University) ....	Columbus
*Ovid Owen Burt ....	Londonderry
William Warrick Cardozo, B.A. ....	Cleveland
Herbert Denison Chamberlain ....	Toledo
Ben Chapsky, B.A. ....	Cleveland
*John Lester Clifton, Jr. ....	Columbus
Manning Emanuel Cohn, B.A. ....	Cleveland Heights
George Frederick Collins, B.A. ....	New Philadelphia
*Kenneth Willis Cook ....	Sandusky
Alfred Robins Cukerman, B.A. ....	Youngstown
*Amanto Primo D'Amore ....	Youngstown
Corrinne Terrel Dryer, B.A. ....	Columbus
Alexander Fisher, B.A., B.Sc. (West Virginia University) ....	East Liverpool
Pauline Biggs Freeman ....	Danville
Edward Bernard Gall ....	Cleveland
John Joseph Gallen ....	Columbus
Guy Augustus Ginn, B.S. (Wilberforce University) ....	Wilberforce
Milton Mitchel Gottlieb, B.A. ....	Columbus
*Anita Vasti Green ....	Wapakoneta
*Francis Robert Grogan ....	Columbus
Clyde William Hall, B.A. ....	Youngstown
James Joseph Hamill, B.Sc. in Phar. ....	Columbus
John Alexander Cassidy Hamill, B.A., M.Sc. ....	Cleveland
Jack Herman Handelman, B.A. ....	Cleveland
Malcolm McCallum Hargraves, B.A. ....	Akron
Adrian Joseph Hartzler, B.S. (The College of Wooster) ; M.Sc. ....	Wooster
David William James ....	Youngstown
Maurice M. Kane, B.A. ....	Columbus
Benjamin Myron Kohrman, B.A. (Western Reserve University) ....	Cleveland
Albert Kostoff, B.A. ....	Columbus
*Donald Francis Kyle ....	Cedarville
Kent Gardner Latham, A.B. (Wittenberg College) ....	Pleasant Hill
Louis Black Lee ....	Portland
*Arthur Deane Lewis ....	Columbus
Sanford Alvin Luria, B.Sc. ....	Cleveland Heights
William Lawrence Mahaffey ....	Mt. Vernon
Paul James Mahar, B.A. ....	Youngstown
*James Rutherford Matson, Jr., B.A. ....	Uhrichsville
James Edward McCormick ....	Zanesville
Robert Harrison McKelvey, B.A. (Muskingum College) ; B.Sc. (West Virginia University) ....	Key
Thomas Stephenson Miller ....	Toledo
*Wallace Dale Miller ....	Fostoria
Warren Franklin Mills, B.Sc. ....	Cuyahoga Falls
Leo Moskowitz, B.Sc. ....	Cleveland
Clarence Edgar Northrup, B.A., M.A. ....	McConnelsville
Theodore Williams Novak, B.A. ....	Cleveland
Ray Clayton Novatney ....	Cleveland
Gwyn A. Parry, B.A. ....	Jackson
Sam Joseph Pastorella, B.A. ....	Cleveland
*Arnold David Piatt ....	Columbus
William Landacre Pritchard, B.A. ....	Columbus
*Willis Law Pugh ....	Bellefontaine

\* Two degrees.



Maurice Rusoff, B.A. ....	Columbus
Thomas Albert Shehan, B.A. ....	Cleveland
Martin Lazert Sherman, B.A. ....	Columbus
Paul Robert Siegel, B.A. ....	Cleveland
Howard Clark Sparks, A.B. (Oberlin College) ....	Willard
Douglas Garrett Sroufe, B.A. ....	Bethel
Byron Ludwig Steger, B.Sc. ....	Cardington
Wilbur Stoughton, B.S. (Otterbein College) ....	Westerville
John Raymond Swan, B.S. (West Virginia University) ....	Birds Run
*Roger Louis Tecklenberg ....	New Bremen
Francis Merwin Wadsworth, B.Sc. ....	Lindsey
Russell Rothenburger Wahl, A.B. (Defiance College) ....	Napoleon
Marlin Richard Wedemeyer ....	Columbus
Lawrence Mitchell Weinerberger ....	Cleveland
*Robert Joseph Weinrich ....	Masiillon
Ralph Earl Wetzel, B.S. (University of Akron) ....	Akron
Plinny Scott Whiteleather ....	Moultrie
LaVerne Campbell Ziegler, B.A. ....	Columbus

(Eighty candidates)

## COLLEGE OF DENTISTRY

Dean: HARRY M. SEMANS

DOCTOR OF DENTAL SURGERY

Robert Eugene Applegate ....	Wilmington
Maximilian Auerbach ....	Columbus
Milton Max Berger ....	Cleveland
Sanford Atwell Berman ....	Cleveland
Harry Edward Bieber ....	Cleveland
Charles Otis Brokaw, Jr. ....	Payne
Lowell Edward Burnell, A.B. (Ohio University) ....	Nelsonville
John Joseph Chlosta ....	Lackawanna, N. Y.
William Joseph Christie ....	Columbus
James DiSalvo, B.Sc. ....	Cleveland
Guy Benton Ellis ....	Cincinnati
Jack Samuel Engelman ....	Cleveland
Carl John Ericsson ....	Elyria
Leonard Harold Finn ....	Cleveland
Albert Elijah Gregory ....	Columbus
Mannie Bernard Grossman ....	Cleveland
Vance Wesley Hartley ....	Columbus
John Sinclair Jubin ....	Akron
Barnett Austin Kaplan ....	Cleveland
Walter Otto Kirsten ....	Findlay
Samuel William Kleinman ....	Cleveland
Lawrence Amos Larrimer ....	Columbus
Arthur Bedward Lewis ....	Steubenville
Albert Owen Linscott ....	Marion
Charles Tweed Ludy ....	Georgetown
Samuel Louis Marsh ....	Cleveland
George Jarvis McLeod, B.S. (Wilberforce University) ....	Columbus
Simon Louis Mintz ....	Cleveland
John Morgan Mulvey ....	Columbus
Frank Earl Nicklaus ....	Columbus
Kenneth John Nogal ....	Conneaut
Joseph Jay Olson, B.S. (University of Toledo) ....	Toledo
Ray Mitchell Orley ....	Cleveland
John Anthony Parillo ....	Girard
Bernard Morton Pevow ....	Cleveland
Andrew Edward Plahy ....	Newton Falls
Manuel Mike Sacks ....	Cleveland

\* Two degrees.

Joe Frederick Schmid .....	Salem
Cecil Shustick .....	Columbus
Leo Konrad Siegel .....	Cleveland
George Walter Smith .....	Dayton
Harold S. Sweet .....	Toledo
Alden Jerome Wadsworth .....	Lindsey
Emanuel Harry Weingarten .....	Lorain

(Forty-four candidates)

## CANDIDATES FOR MORE THAN ONE DEGREE

Emma Mary Alibrando .....	Columbus
Bachelor of Science in Education	
Certificate of Graduate Nurse	
Paul Delbert Beals .....	Akron
Bachelor of Industrial Engineering	
Bachelor of Mechanical Engineering	
Anne Jeannette Blackmore .....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Clara Grace Bonner .....	Columbus
Bachelor of Science	
Doctor of Medicine	
Ovid Owen Burt .....	Londonderry
Bachelor of Science	
Doctor of Medicine	
John Lester Clifton, Jr. ....	Columbus
Bachelor of Science	
Doctor of Medicine	
Kenneth Willis Cook .....	Sandusky
Bachelor of Science	
Doctor of Medicine	
Amanto Primo D'Amore .....	Youngstown
Bachelor of Science	
Doctor of Medicine	
Frank Henry Foster, Jr. ....	Toledo
Bachelor of Science in Business Administration	
Bachelor of Laws	
John Joseph Gallen .....	Columbus
Bachelor of Arts	
Doctor of Medicine	
Anita Vasti Green .....	Wapakoneta
Bachelor of Arts	
Doctor of Medicine	
Francis Robert Grogan .....	Columbus
Bachelor of Arts	
Doctor of Medicine	
Irene Lois Hooker .....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Mary Edna Jones .....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Walter Howard Juniper .....	Columbus
Bachelor of Arts	
Bachelor of Science in Education	
Donald Francis Kyle .....	Cedarville
Bachelor of Arts	
Doctor of Medicine	



Arthur Deane Lewis .....	Columbus
Bachelor of Arts	
Doctor of Medicine	
James Rutherford Matson, Jr., B.A. ....	Uhrichsville
Master of Arts	
Doctor of Medicine	
John Leslie McKittrick .....	Columbus
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
Richard Bailey Middleton .....	Waverly
Bachelor of Arts	
Bachelor of Laws	
Wallace Dale Miller .....	Fostoria
Bachelor of Science	
Doctor of Medicine	
Alma Alice Palmer .....	Scio
Bachelor of Arts	
Bachelor of Science in Education	
Arnold David Piatt .....	Columbus
Bachelor of Arts	
Doctor of Medicine	
Willis Law Pugh .....	Bellefontaine
Bachelor of Science	
Doctor of Medicine	
Paul Rockey Robbins .....	Columbus
Bachelor of Industrial Engineering	
Bachelor of Mechanical Engineering	
Elizabeth Italia Sears .....	McConnelsville
Bachelor of Science in Education	
Certificate of Graduate Nurse	
Roger Louis Tecklenberg .....	New Bremen
Bachelor of Science	
Doctor of Medicine	
Robert Carl Treue .....	Dayton
Bachelor of Arts	
Bachelor of Science in Education	
Maxine Elizabeth Warner .....	Lodi
Bachelor of Science in Education	
Certificate of Graduate Nurse	
William Lewis Wead .....	Xenia
Bachelor of Science	
Doctor of Medicine	
Robert Joseph Weinrich .....	Massillon
Bachelor of Arts	
Doctor of Medicine	
Edward Lewis Dryer .....	Columbus
Bachelor of Electrical Engineering	
Bachelor of Industrial Engineering	
Bachelor of Mechanical Engineering	

(Thirty-two candidates)

## BACCALAUREATE DEGREES

## COLLEGE OF AGRICULTURE

Dean: JOHN F. CUNNINGHAM

BACHELOR OF SCIENCE  
IN AGRICULTURE

Norman Conrad Arnold	Arcanum
Leland Zeldon Arthur	Jackson
Edwin Arthur Augspurger	Hamilton
Ralph Thurman Baetzel	Massillon
William Andrew Beyer	Normal, Ill.
Alva Hanscom Brichford	Willoughby
Mott Oakley Bryan	Athens
Kenneth Lee Burris	Columbus
John Stein Caldwell	Circleville
David Harrod Carr	Washington C. H.
Richard Lambert Carr	Washington C. H.
Velorous Rennel Chaney	Trinway
Clifford Henry Clary	Birmingham
William Lloyd Cook, B.S. (The College of Wooster)	Poland
Henry Dewey Croy	Dayton
Philemon Jean Dill	Lockbourne
Donald Delos Dodd	Kingston
Paul Arthur Eshler	Berlin Center
Clarence Roger Fridline	Jeromesville
Leo Verl Gaffin	West Union
Alexander Louis Goldman	Cleveland
Morton Humphrey Hamilton	Glenford
John Vernon Henderson	Shiloh
Elmer William Henry	Marietta
Gaylord Owen Jones	Van Wert
Cary Miller Karnes	Greenfield
Dayton Kennedy	Cheshire
Delber Evert Kinsel	Brookville
Robert Morris Kirkbride	Deerfield
Randall Cyrus Liming	Bethel
Conrad Barnett Link	Dunkirk, N. Y.
Leland Ovid Mann	West Unity
*John Leslie McKittrick	Columbus
William McKinley Mealy	Tyrrell
Frederic Edward Merriman	Hartford
Robert Allan Newcomb	Burton
Thomas Clancy Porter	Athens
Dorris Ray Purkey	Fostoria
Layel Conway Ridenour	Hicksville
Joseph James Schubach	Canton
Ralph Kenneth Schwartzberg	Cleveland
Howard Franklin Shambarger	Montpelier
Edward Philip Sidner	Lilly Chapel
Carleton Meredith Smith	Lucas
Victor Poet Snyder	Lewisburg
Hobart Sterle Sockman	Mt. Vernon
Dalton Vaughn Stoneburner	Crooksville
Joseph Paul Taber	Columbus
Charles Clayton Terrell, B.S. (Haverford College)	New Vienna
Kenneth Wesley Throemorton	Marengo
William James Tudor	Hilliards
William S. Ufer	Stryker
Frank Valerius Rhodes Veirs, Jr.	Canton
Earl John Waters	Wadsworth

\* Two degrees.



Marshall Kenneth Whisler .....	Ashland
James Howard Wilson .....	Washington C. H.
Herschel Lee Zehner .....	Ashland

(Fifty-seven candidates)

BACHELOR OF SCIENCE  
IN HOME ECONOMICS

Florence Eugenia Allis .....	Spencer
Anna Eileen Anderson .....	Columbus
Eather Backus .....	Columbus
Ruth Katharine Bye .....	Lisbon
Ethel Louise Coleman .....	Newark
Mary Elizabeth Corder .....	Newark
Agnes Marie Davis .....	Columbus
Jean Elizabeth Davis .....	Columbus
Christine Belva Douglas .....	Salesville
Ellen Dush .....	Newark
Etta-May Elliott .....	Basil
Norma Lucille Ely .....	Columbus
Virginia Josephine Gibson .....	Columbus
Hazel L. Gillespie .....	Columbus
Goldye Rita Handel .....	Dayton
Mildred Mae Harmon .....	Morrill
Mary Stella Hiltner .....	Venedocia
Vrina Jane Hughes .....	Columbus
Hasseltine LaJeune Johnston .....	Newark
Vivian Lucille Johnston .....	Bremen
Edith Rees Jones .....	Columbus
Dorothy Margaret Laubacher .....	Malvern
Pauline Lydia Lehman .....	Edgerton
Mildred Gertrude Marquardt .....	Columbus
Margaret Clay McCay .....	Massillon
Mabel Green Moore .....	Black Lick
Della Morrison, A.B. (Mount Union College) .....	Warren
Marian Helen Mustard .....	Ridgeway
Marie Anna Myers .....	Columbus
Carolyn Emma Owen .....	Newark
Martha Elda Purdom .....	Xenia
Ruth Ream .....	Columbus
Jennie Mae Reay .....	Westerville
Eather Ernestine Reed .....	Marysville
Wayne Kenneth Rife .....	Bucyrus
Ruth Pauline Roberts .....	Columbus
Ann Margaret Ryan .....	Columbus
Vera Virginia Schott .....	Cincinnati
Pearl Mae Schweickart .....	Georgetown
Edith Yarnell Sheets .....	Mansfield
Jeanette Margaret Shelles .....	Toledo
Mary Catharine Singer .....	Columbus
Agnes Mae Somers, A.B. (Earlham College) .....	Brookville
Gertrude Myrl Stevens .....	Galion
Thelma Louise Stewart .....	Osborn
Grayce Leona Sutley .....	Columbus
Helen Deborah Terrill .....	Ridgeway
Josie Pauline Trout .....	Columbus
Margaret Victoria Ulmer .....	Bucyrus
Jane Elizabeth Ulrich .....	Farmersville
Ada Ruth Westlake .....	Marysville
Opal Annabelle Winter .....	Delaware

(Fifty-two candidates)

## COLLEGE OF ARTS AND SCIENCES

Dean: WALTER J. SHEPARD  
BACHELOR OF ARTS—WITH HONORS

Elizabeth Ellis Barr (cum laude)	Owensboro, Ky.
*Anne Jeanette Blackmore (cum laude)	Columbus
Ruth Adele Cook (cum laude and with Distinction in Bacteriology)	Columbus
Ruth Henrietta Ebeling (cum laude)	Columbus
Marcel Gerard Eye (cum laude)	New York, N. Y.
Herman Martin Goldberg (cum laude)	Columbus
William Arthur Gumberts (with Distinction in English)	Evansville, Ind.
Dixie Roach Harris (cum laude)	Dayton
Pauline Agnes Hendershott (cum laude)	Columbus
Donald Robert Husted (Summa cum laude and with Distinction in Chemistry)	Warsaw
*Mary Edna Jones (cum laude and with Distinction in English)	Columbus
John Robert Kahler (cum laude)	Sandusky
Philip Lifshitz (Summa cum laude)	New York, N. Y.
Harold James Miller (with Distinction in Botany)	Rudolph
Sylvain Sydney Minault (with Distinction in French)	Oxford
Samuel Allen Nathanson (cum laude)	Toledo
George Fisher Newmark (cum laude)	Newberry, Mich.
Marjorie Duncan Nice (cum laude)	Columbus
*Alma Alice Palmer (Summa cum laude)	Scio
Howard Hicks Patrick (cum laude)	Marengo
Richard Forester Robey (with High Distinction in Chemistry)	Columbus
Ruth Fay Schumacher (cum laude)	Columbus
Clara Myers Smith (Summa cum laude)	Columbus
Ruth Eleanor Tice (with Distinction in English)	Columbus
Marie Eloise Todd (Summa cum laude and with Distinction in Zoology and Entomology)	Cleveland
Elizabeth Cleland Wagner (cum laude and with Distinction in Botany)	Carroll
Harry Richard Washburn (cum laude)	Akron
Louis Anthony Zaremski, B.Sc. in Edu. (cum laude)	Toledo

(Twenty-eight candidates)

## BACHELOR OF ARTS

Manfert Alter	Steubenville
Marcellus Jack Anderson	Sandusky
George Louis Armbricht	Wheeling, W. Va.
Leo Atomon	Lynn, Mass.
Richard Thompson Austin	Columbus
James Fairchild Baldwin, II	Columbus
Robert Whitney Bauter	Columbus
Dora Virginia Benedict	Columbus
William Jay Bennett	Columbus
Ethel Berliner	Great Neck, N. Y.
Milton Berman	Akron
Walter Leroy Bethel	Kingsville
Lois Elizabeth Binns	Columbus
Orvin Victor Blumenstiel	Alliance
Frances Emma Bodfish	Columbus
Kenneth Stone Boesel	Wapakoneta
Paul Gerhard Boesel	New Bremen
Harry Eaton Bonaparte	Columbus
Anna Palmer Bonner	Columbus
Mary Loretta Born	Columbus
Justinian Boyer	Alliance
William Henry Brooks	Columbus
Michael Paul Bruick	Cleveland
Floyd Russel Buhrmaster	Scotia, N. Y.
Margaret Mae Burkley	Columbus
Grace Violet Cameron	Columbus
Leslie Caplan	Steubenville

\* Two degrees.



Dante John Cherubini .....	Columbus
Alice Jane Christopher .....	London
Paul Chambers Clark .....	Columbus
Milton Irving Clowers .....	Memphis, Tenn.
William Ebbert Coleman .....	Martins Ferry
Max Baer Cooper .....	Columbus
Herbert August Crandell .....	Wooster
David Edgar Crenshaw .....	St. Louis, Mo.
Rexford Kettering Culler .....	Ashland
Julius Theodore Dargusch .....	Columbus
Arthur Odell Diggs .....	Coalton
David George Dillahun .....	Columbus
Frederick William Dixon .....	Columbus
Matthew Charles Dodd .....	Columbus
Mary Harriet Doud .....	Columbus
Paul Goulding Drake .....	Columbus
John Joseph Driskell .....	Columbus
Robert William Duncan .....	Casttown
Roger Wendell Edmonson .....	Dayton
Jess Albert Ellis .....	Columbus
Lois Ellman .....	Cleveland
Martin Endich .....	Steubenville
Lloyd Roberts Evans .....	Columbus
Harry Eastman Ewing, Jr. ....	Columbus
Arthur John Fallen .....	Martins Ferry
Doyt Ellis Farling .....	Warren
David Feldman .....	Dorchester, Mass.
Edward John Filipkowski .....	Erie, Pa.
Allen Irving Finkelstein .....	Brooklyn, N. Y.
Robert Finkelstein .....	Cleveland Heights
Kathryn Elizabeth Flocken .....	Bucyrus
Evan Charles Fowler .....	Sebring
Gerson Elliot Friedlander .....	Homestead, Pa.
*John Joseph Gallen .....	Columbus
Frank Paul Gallo .....	Columbus
Jane Gray Gibbs .....	Clayton, Mo.
Philip Benjamin Giber .....	Youngstown
Joseph M. Goldberg .....	Columbus
Jacob George Goldfarb .....	Paterson, N. J.
Harry S. Goldstein .....	Columbus
Dorothy Emma Good .....	Columbus
Geneva Louise Gordon .....	Otway
Mary Claudine Graves .....	Columbus
*Anita Vasti Green .....	Wapakoneta
Fanette Greenfield .....	Buffalo, N. Y.
*Francis Robert Grogan .....	Columbus
Marjorie Lucille Groves .....	Caldwell
Morton David Gumble .....	Columbus
Luther Emanuel Gunsett .....	Van Wert
Eliza Joyce Hagerty .....	Columbus
Paul Darwin Hahn .....	Columbus
George Alfred Hampton .....	Canton
Arthur McCann Harrison .....	Napoleon
Herschel Kelley Headley, B.Sc. in Bus. Adm. ....	Dayton
Doris Cadley Herbert .....	Columbus
Edwin Albion Hess .....	Chardon
Edna Jacqueline Hilberg .....	Cincinnati
John Roger Hill .....	Reinerville
Beatrice Hirsh .....	Philadelphia, Pa.
Angus MacIvor Holmes .....	Columbus
*Irene Lois Hooker .....	Columbus
J. Robert Hudson .....	Blanchester
Nell Ann Humphrey .....	Columbus

\* Two degrees.

Eugene Payne Hutchings, Jr.	Trenton, N. J.
Jane Eleanore Jacobs	Columbus
Ruth Carey Johnson	Columbus
Helen Marie Jones	LaPorte, Ind.
*Walter Howard Juniper	Columbus
Edward Carroll Kasper	Cleveland
Margery Keith	Columbus
Janice Clare Kirk	Columbus
Lysle Raymond Kirk	Columbus
Joseph Klein	Cleveland
Walter Joseph Knapp	Columbus
Mary Leah Kunkle	Dayton
*Donald Francis Kyle	Cedarville
Ben Lake	Youngstown
Anson Waldo Lazarus	Bayonne, N. J.
Milton Leibenhaut	Brooklyn, N. Y.
Elizabeth Leshner	Columbus
*Arthur Deane Lewis	Columbus
Benjamin Franklin Lewis	Youngstown
Arnold Harry Lief	Youngstown
Robert Frederick Linn	Cleveland
Stanley Maurice Linzell	Columbus
Emanuel Clarence Liss	Columbus
Charles Clifton Lloyd	Columbus
Betty MacLaughlin	Columbus
Carl Robert Mahder	Hamilton
Herbert Abraham Markowitz	Cleveland
Theresa Marshall	Columbus
Bernice Eugenia Martin	Portsmouth
Eugene Beyer Masselink	Grand Rapids, Mich.
Herbert Case Mathews	Mt. Gilesd
Elizabeth Francis McClure	Columbus
Robert Clifton McElroy	Wheeling, W. Va.
Betty Josephine McGuire	Atlanta, Ga.
Charles Frederick Medbery	Columbus
Jerome Herbert Meyer	Cleveland Heights
*Richard Bailey Middleton	Waverly
Jacque Eugene Miller	Shelby
Edward Raymond Morehart	Carroll
Doris Peggy Muslow	Shreveport, La.
Paul Wilmer Oakes	Ann Arbor, Mich.
Miriam Cyril Ozan	East Cleveland
John Nicholas Patchen	Robins
Hugh Brown Pavey	Columbus
George Frederick Peggs	Cleveland
Louis Yale Peskoe	Long Branch, N. J.
*Arnold David Piatt	Columbus
Stanley Baldwin Pierce	North Canton
Flora Elaine Pillion	Lackawanna, N. Y.
Donna Platts	Thomaston, Conn.
Martin Julius Polster	Columbus
Mary Adelaide Pool	Port Clinton
Frank Bigelow Pope	Franklin, Pa.
Mary Beth Prosser	Columbus
Chester Burnett Rappe	Delaware
Doris Ella Rhoads	Columbus
Franklyn Gilbert Rice	East Cleveland
Darlene Richards	Rio Grande
Joseph Aloysius Ridgeway	Columbus
Seymour Robinowitz	White Plains, N. Y.
Charles Henry Robinson	Washington C. H.
Ann Ethel Rosenberg	Cleveland Heights
Harold Rupert Rosenthal	Cleveland

\* Two degrees.



Robert Davis Ross	San Diego, Calif.
Paul Rubinstein	Paterson, N. J.
Martha Ruby	Springfield
Russell George Saxby	Portsmouth
George John Schorr	Columbus
Clifford Elza Scott	Cambridge
George Clayton Shaw	Rockbridge
Daniel Joseph Sheehan	Columbus
Thomas Wilbur Sidener	Lima
Maurice Jack Silverman	Lawrence, Mass.
Peter Joseph Simon	Cleveland
William Lee Smiley	Akron
Frederick Rolland Smith	Columbus
Laura Belle Smith	Columbus
Louise Carson Smith	Dayton
Mary Dee Walker Smith	Columbus
Ortha Anne Smith	Columbus
Trent Whitmer Smith	Columbus
Byron Conrad Snell	Crooksville
Margaret Elizabeth Snyder	Mt. Gilead
Ben Sobin	Columbus
Mitchell Alden Spyker	Columbus
Russell Edward Stafford	Newark
Frederick Charles Stakel	Batavia, N. Y.
Frederick Junior Stecker	Mansfield
George Gordon Stein, Jr.	Cleveland Heights
Harry George Stein	Brooklyn, N. Y.
Anne Katherine Stone	Columbus
Arnold Wesley Suhr	Napoleon
Morris Teitelbaum	Brooklyn, N. Y.
Ann Green Telfair	Sabina
Albert Carl Thoman	Columbiana
Harry Tobin	East Liverpool
*Robert Carl Treue	Dayton
Jean Moodie Walker	Columbus
John Edward Weaver	Kenton
*Robert Joseph Weinrich	Massillon
Samuel Lloyd Weir	Carrollton
Morton Phillip Weiss	Cleveland Heights
Helen Virginia Wells	Cincinnati
Dorothy Muriel Wilson	Marion
Mary Elizabeth Wiltberger	Columbus
George Russell Wing	Columbus
Henry Walter Wolf	Columbus
Lawrence Edward Wonderleigh	Chillicothe
Donald Andrew Wray	Columbus
Alberta Maud Yoerger	Columbus
Rose D. Zapolan	Columbus
Mary Louise Zaring	Columbus
Ruth Anna Zaring	Columbus
Ross Maxwell Zeller	Greenville
Wesley Moody Ziegler	Dayton
Sanford Laurence Zieve	Cleveland
Carl Herman Zinsmeister	Zanesville
Matthew Seymour Ziskind	Lowell, Mass.
Richard William Zollinger	Millersport
James William Zuber	Columbus
Robert Louis Zucker	Portsmouth

(Two hundred and eleven candidates)

## BACHELOR OF SCIENCE

*Clara Grace Bonner	Columbus
*Ovid Owen Burt	Londonderry

\* Two degrees.

*John Lester Clifton, Jr.	Columbus
*Kenneth Willis Cook	Sandusky
*Amanto Primo D'Amore	Youngstown
*Wallace Dale Miller	Fostoria
*Willis Law Pugh	Bellefontaine
*Roger Louis Tecklenberg	New Bremen
Ray Maurice Turner	Springfield
*William Lewis Wead	Xenia

(Ten candidates)

## COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: WALTER C. WEIDLER

## BACHELOR OF SCIENCE

## IN BUSINESS ADMINISTRATION—WITH HONORS

Evelyn Juanita Davis (with Honors)	Eaton
Lois Rachel Dumenil (with Honors and with Distinction in Marketing)	Lynchburg
Lois Ellen Goldsmith (with Honors and with Distinction in Accounting)	Bucyrus
John Fenton Hummel (with Honors)	Columbus
John Bland McCormick (with Honors and with High Distinction in Finance)	Cleveland
Donald William Rule (with Honors and with Distinction in Accounting)	Toledo

(Six candidates)

## BACHELOR OF SCIENCE

## IN JOURNALISM—WITH HONORS

William Morton Ware (with Honors and with Distinction in Journalism)	Mentor
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(One candidate)

## BACHELOR OF SCIENCE

## IN BUSINESS ADMINISTRATION

Fred Tingley Abbott	Columbus
Robert McQueen Allen	Canton
John Robert Allman	Tiffin
Henry Phares Babbs	Tiffin
Ralph Waldo Bachman	Woodsfield
Louis Vaughan Barnes	Columbus
Robert Melville Beaman	Columbus
Jack Dave Bender	Columbus
Harry Berlin	Columbus
Charles Edward Berry	Ashtabula
Kenneth Prince Bessey	Columbus
Paul Peter Bonnot	Canton
Melvin Palmer Boothe	Columbus
Harry Darwood Born	Marion
Fletcher Brown Bowers	Norwalk
John Mortimer Bowsher	Clarksburg
Edward Bradwell	Columbus
Laura Elizabeth Brailly	Bellaire
Russell Byram Brown	Columbus
Thomas Bernard Burke	Columbus
Samuel Louis Chalfie	Cincinnati
Aileen Charters	Columbus
Vaughn Rolland Chase	Columbus
Norman Austin Clarke	Geneva
Charles Clifford Cochran	Frazeyburg
Ralph William Cole	Eaton
Joseph Claypool Crawford	Wilkinsburg, Pa.
Margaret Aileen Davidson	Lima
Jack Henry Davies	Erie, Pa.

\* Two degrees.



Mary Louise Dehmer	Tiffin
Mary Margaret Deinlein	Columbus
Rosina Frances Deinlein	Columbus
Carl Leroy Dennison	Youngstown
John Nicholson Dinsmore	London
Robert Elberfeld	Pomeroy
Eugene Irwin Ellison	Dayton
Ernest Everett Emswiler	Pataskala
Charles Adrian Etherington	Piqua
Louis Faigin	Cleveland
John Edwin Farmer	Columbus
Junius Beatty Ferrall	Canton
Jane Harris Fitting	Columbus
*Frank Henry Foster, Jr.	Toledo
Charles Cleon Frazee	Rocky River
Harold Gilger Gibb	Emlenton, Pa.
Olive Ann Gill	Columbus
Thomas Emery Gossard	Wooster
Arthur George Green	Columbus
Fred Raymond Grice	Columbus
Oliver Clark Griffith	Hamilton
Rudolph William Guta	Schenectady, N. Y.
Frank Joseph Hahn	Barberton
David Livingston Haskell	Alliance
Clifton Eugene Hazard	Washington C. H.
Franklin Merritt Holzemer	Columbus
James Frederick Huber	Dayton
William Steiger Ike	Hamilton
Bassel Lee Johnson	Columbus
Stephen Carl Johnson	Bridgeport
Harris Lloyd Jones	Radnor
Thomas Frederick Jones	Cincinnati
Arthur William Juergens	Cleveland
Myron Earle Kane	Amherst
Ernest Karam	Canton
Richard Gay King	Andover
Walter Eugene Klein	Cleveland
Louis Rudolph Krueger	Youngstown
Lawrence Edwin Kyle	Prospect
James Cole Lear	Coshocton
Arthur James Leisk	Lakewood
Sara Margaret LeSar	Columbus
Betty Louise Luttrell	Columbus
George Lawrence MacCracken, Jr.	Akron
Mary Ida Macomber	Canton
William Wilbur Mahaffey	Upper Sandusky
Ruth Elizabeth Mannon	Wilmington
Albert James Mattern	Kenmore, N. Y.
Howard William Mattison	Erie, Pa.
Albert Lloyd McFarland	Columbus
Carl Raymond McFarland	Newcomerstown
John Logan Sanderson Middleton	Hubbard
Albert Miller	Cincinnati
Douglas Omer Miller	Columbus
Milford Yinger Miller	Sidney
Paul DeForest Miller, Jr.	Toledo
Arthur Frederick Naltner	Columbus
Bert Howard Nasman	Youngstown
Evelyn Rose Natross	Columbus
Thomas Joseph Nerny	Columbus
Neil Edward Neunherz	Columbus
Lewis Henry Newberry	Groveport
Elmer Russel Norris	Athens

\* Two degrees.

Donald Jay O'Brien	Johnstown
Harold McConnell Palmer	Columbus
Claude Frederick Peoples	Niles
Gerald Wendell Pontius	Columbus
Herbert Alonzo Preston	Springfield
Maurice Pretekin	Dayton
Edward Livingston Pryce	Columbus
Albert Snyder Raudabaugh	Toledo
Joe Crockett Robinson	Green Springs
Isadore Rosen	Midland, Pa.
Louis Rosen	Cincinnati
Jean Merrick Russell	Pomeroy
John Joseph Saile	Columbus
Robert Pierre Salsey	Jeannette, Pa.
Joseph Anthony Salvaterra	Bellaire
Gerald Ellsworth Saum	Columbus
William Charles Schwartz	Columbus
James Richard Sheller	Smithville
Richard Henry Shirey	Columbus
Hubert Woodrow Shurtz	West Lafayette
Maurice Joseph Simon	Dayton
Homer Charles Smith	Columbus
Robert Bixler Smith	Columbus
Harry Herzel Snyder	Akron
Hervie Earl Snyder	Zanesville
Joseph Albert Soler	Columbus
Morton Spitz	New Brunswick, N. J.
Robert Wayne Spragg	Smithfield
Ralph Downing Spring	Hilliards
Willard Delmont Squires	Warren
Waldo Henry Stedman, Jr.	Columbus
Robert Bruce Steiner	West Newton, Pa.
Carl William Straits	Zanesville
Gordon Cornelius Stubbs	Columbus
Dale Kenneth Teaford	Palestine
Dolores Evelyn Theado	Columbus
Bernard Sol Treuhaff	Toledo
Elmer Bynum Trotter	Columbus
Leslie Kermit Wagner	Mansfield
Warren Webster Watson	Dayton
Calvin Bierce Wetmore	Canton
Harold Eugene Whitlatch	Bridgeport
Charles Howard Woodbury	Columbus
John Wesley Woods, Jr.	Ashland, Ky.
Pauline Wuertz	Hilliards
Clifford Jackson Young	Columbus
Lowell Edwin Young	Eaton
Sol Erwin Ziskind	Cleveland

(One hundred and forty candidates)

#### BACHELOR OF SCIENCE IN JOURNALISM

William Yaro Avrunin	Cleveland
Lillian Evelyn Callif	Columbus
William Milton Carroll	Columbus
Earl William Clark	Columbus
William Emil Gold	Cincinnati
Robert Arthur Harley	Fostoria
Mary Elizabeth Jones	Dayton
John Alton Claude Keller	Columbus
Alice Margaret Knepper	Columbus
Catharine Conn Lang	Manchester
George Hammond McBurney	Columbus
Helen Ray Newell	Toledo



William Henry Newton	Columbus
Robert Barr Plessinger	West Carrollton
Katherine Jane Reading	Columbus
Toivo Roininen	Columbus
Charles Neubert Schmidt	Springfield
Bernard Schwartz	Dover
John Earl Silcox	Dayton
Julius Nathan Urwitz	Lafayette, Ind.
George McComas Vincent	Lisbon
Martha Ann Werlin	Columbus
Harriet Kathleen White	Grove City

(Twenty-three candidates)

#### BACHELOR OF SCIENCE IN SOCIAL ADMINISTRATION

Mary Bennett	Columbus
Ida Celia Byalos	Columbus
Mary Janet Davis	Radnor
Cecelia Josephine Eberts	Columbus
Mary Catherine Keyes	Columbus
Jean Moffitt Leach	Portsmouth
Paul Gordon Pickens	Columbus
Selma Schoen	Marion
Rosalee Diane Sculler	Columbus
Martha Jane Stewart	Columbus
Dolores Ellen Swint	Fremont
Robert Keith Verbeck	Columbus
Mildred Bess Wells	Columbus
Florence Mary Zurhorst	Columbus

(Fourteen candidates)

#### COLLEGE OF EDUCATION Acting Dean: WILLIAM H. STONE

##### BACHELOR OF SCIENCE IN EDUCATION

*Emma Mary Alibrando	Columbus
Dorothy Marie Alspaugh	Canal Winchester
Mary Catherine Alston	Columbus
Mary Elizabeth Altsman, B.A. (Mt. Holyoke College)	Portsmouth
Michael Anthony Ambrose, Jr.	Newark, N. J.
Marguerite Arnold	Columbus
William Andrew Arter	Scio
Clarence William Assenheimer	Bucyrus
Ellen Gail Babbitt	Columbus
William Thomas Bean, B.S. (Allegheny College); M.A.	Franklin, Pa.
Frances Harriett Bennett	New Lexington
Lloyd Branson Bennett	Stockdale
Irene Susanna Biddle	Pemberville
Jimmie Billy	Ashtabula
Mary Jeanette Bishop	Columbus
Sarah Anna Bitzer	Columbus
*Anne Jeannette Blackmore	Columbus
Zelda Aldine Blayney	Mt. Gilead
Margaret Etheridge Blocker	Cleveland
Erwin Herbert Bohm, B.A., M.A., Ph.D.	Columbus
Gwendolyn Ann Boone	Columbus
Eva Lucille Bowers	Columbus
Cathryn Olevia Boyd	Columbus
Lillian May Brinker	Export, Pa.

\* Two degrees.

Kathleen Elizabeth Bristow	Columbus
Mildred Hooker Brode, Ph.B. (University of Vermont); M.A.	Columbus
Elizabeth Jane Brokaw	Wapakoneta
Katharine Brooks	Columbus
Marjorie MacFadon Brooks	Columbus
Herbert Harold Brown	Dayton
Mary Isadora Brown	Columbus
Joan Judith Brusman	Dayton
Ruth Marie Bryant	Dayton
Alice Elizabeth Buehrer	Archbold
Carl Samuel Burger	Columbus
Dorothy Elizabeth Callander	Columbus
Aleta Balmer Campbell	Columbus
Kathryn Lucile Dague Carr	Lake View
Annabelle Carter	Columbus
Ruth Louise Chapman	Columbus
Mildred Clark	Alger
Virginia Gertrude Claypoole	Lima
Clyde Brady Cochran, B.A., M.A.	Columbus
Virginia Cole	Springfield
Marian Irene Conley	Marion
Katharyn Elizabeth Conrath	Columbus
Thomas Charles Cook	Lakewood
Mildred Evelyn Cope	Rogers
Lewis Fremont Cowgill	Lewisburg
Eunice Leonora Craven	Columbus
Catherine Cecelia Crowley	Columbus
Bernice Cathryn Crumley	Columbus
Constance Maxine Culbertson	Zanesville
Vina Isabel Cunningham	Columbus
Ben David Danchik	Cleveland
Laura Lucille Davidson	Columbus
Mary Frances Davis	Columbus
Ruth Evelyn Dean	Columbus
Ronald Eugene Dotson	Lima
Elizabeth Dell Dunn	Columbus
Lowell Osborne Edwards	Gallia
Mary Frances Ellis	Columbus
Tella Doris Emmert	Belle Center
Sylvan Gerald Engle	Lowell
Clarence Edward English	St. Louis, Mo.
Margaret Louise Englehart	Urbana
Frances Elizabeth Ewalt	Columbus
Betty Hilda Fearing	Columbus
Ruth Marian Fenner	Plymouth
Barton Gail Fetterman	Swanton
Yetive Frances Fissel	Columbus
Charles Ronald Flory	Greenwich
Elizabeth Dorothea Franklin, B.S. (Northwestern University)	Warren
Carol Lucille Fravel	Pataskala
Robert Freeman	Cincinnati
Claire Rollinger Fries	Columbus
Charlotte Hern Frost	Dresden
Ada Elizabeth Gallaway, R.N.	St. Marys
Fred Wagner Gamble, A.B. (Oberlin College)	Coshocton
Margaret Helen Gardner	Columbus
Pauline Anita Gardner	Grove City
Thelma Amelia Gary	Cleveland
Mildred Marie Geiger	Black Lick
Russell Spencer Geil, A.B. (Denison University)	Granville
Vernon Francis Goodall	Akron
Olive Lenore Gooding	Columbus
Josephus Edwin Gordon	New Lexington
Clara Augusta Gottschalk	Columbus



Albert Conrad Graebner	Bay Village
Jack Zom Greenberg	Columbus
Charles Workman Greer	Walhonding
Norma Elizabeth Greener	Hilliards
Marjory Virginia Hager, B.A. (The College of Wooster)	Piqua
Edwin Basil Hamblin	Bellevue
Mary Leon Hamilton	Columbus
Marian Louise Hammond	Williamstown
Mary Elizabeth Hanauer	Dayton
Madeleine Mable Harkins	Akron
Catherine Louise Harrison	Columbus
Esther Rose Hauptli	Columbus
Vera Taylor Hayes	Ironton
James Glenn Healey	Columbus
Regina Bernardine Heavy	Cleveland
Catherine Elizabeth Hennessey, B.A., M.A.	Columbus
Dorothy Alliene Hines	Columbus
Ruth Ann Holman	East Palestine
*Irene Lois Hooker	Columbus
Arabella Hopkins	Canton
Charles Harris Huffman	Oregonia
William Lawrence Hughes, B.A. (Ohio Wesleyan University)	Delaware
Charles Perry Ilger	Cleveland
Edmund Burke Jones, B.A.	Kenton
Estelle Theresa Jones	Columbus
Helen Elizabeth Jones	Conneaut
Margaret Virginia Jones	Columbus
*Mary Edna Jones	Columbus
*Walter Howard Juniper	Columbus
John Jurras	Barre, Vt.
Solomon Henry Kahn	Cleveland
Jane Kehrer	Columbus
Elizabeth Constance Kelhofer, A.B. (St. Marys of the Springs College)	Chillicothe
Ether Lee Keller	Alliance
Mary Catharine Keller	Columbus
Otto Clarence Keller	Attica
Marguerite Kelsor	Westerville
Marice Ann Kersey	Columbus
Beulah Delight King	Sterling
Harry Philip King	Avilla, Ind.
Leonard Klein	Cleveland
John Russell Krier	Philo
Crystal Maxine Krisher	Lorain
Lucille Dorothea Lamkin	Alliance
Carabel Eileen Langstaff	Columbus
Rachel Hannah Larimore, B.A. (Western Reserve University)	New Philadelphia
Ruby LaVaune Laudahn	Wapakoneta
John Leeper	New Concord
Vernon Gordon Lewis	Hamilton
Martin Moses Lichen	Cleveland
Martha Elizabeth Lichti	Urbana
Mary Eileen Littrell	Ravenna
Ilma Agnes Lloyd	Grove City
Leo Phillip Lombardo	Columbus
Harry Cameron Loudenslager	Columbus
Evelyn Fern Ludwig	Elyria
Frank Michael Lukz	Niles
Frank Joseph Malak	Youngstown
Harry Edgar Marshall, B.A.	Columbus
Edna Jean Martin	Portsmouth
Phyllis Irene Martin	Columbus
Edward Glenn Mason, Jr., B.A.	Columbus
Jane Elizabeth Mason	Ironton

\* Two degrees.

Helen Jean McCall	Columbus
Dorothy Jean McCrimmon	Youngstown
Anne Elizabeth McCulloch	New York, N. Y.
Mabel Leota McOwen	Black Lick
Mildred Susanna Miller	Nova
Constance Edith Milligan	Zanesville
Howard Gerald Moore	Caldwell
Louise Stafford Moore	Columbus
Royal Joseph Morsey	Minster
Eugenia Cornea Motok, R.N.	Columbus
Frederick Herman Multer, B.Arch.E.	Portsmouth
Marjorie Fredericka Mundhenk	Toledo
Christmas Natale Nacci, B.Sc. in Jour.	Bellaire
Garnet Elma Nagel	Columbus
Mary Louise Newman	Bucyrus
*Alma Alice Palmer	Scio
Lillian Genevieve Parmer	Marengo
Ruth Susan Parrot	Columbus
Helen Louise Patterson	Plain City
Pauline Reed Phipps	Broadway
Beulah Margaret Pierpont	Columbus
Helen Lucile Postle	Columbus
Alice Louise Powell	Rutland
Lawrence Herman Prill	Cleveland
Mary Elizabeth Rader	Circleville
James Dudley Ransom, Ch.E., M.S. (Lehigh University)	Columbus
Helen Rapkin	Columbus
John Frederick Ratzenberger	East Claridon
Beatrice Clara Remlinger	Lakewood
Mary Louise Rhoades	Columbus
Harold Lynn Rice	Meadville, Pa.
Adelaide Bertha Rideout	Hudson
Ruth Marie Robbins	Middletown
Phoebe Mildred Roberts	Youngstown
Ruth Nolze Roberts	Columbus
Estelle Therese Romanick	Youngstown
Bernard Jerome Rose	Cleveland Heights
Dorothy Roth	Elizabeth, N. J.
Marjorie Isabel Runninger	Franklin, Pa.
Helen Virginia Sadler	Cleveland
Sol Max Saperstein	Trenton, N. J.
Hermen Schaim	Reading
Charles Schmukler	Cleveland
Emil Paul Schnepel, A.B. (Capital University)	Celina
Irene Sarah Schottenstein	Columbus
Frances Marie Schwartz	Columbus
Margaret Viola Schwyn	Findlay
Laura Scott	Columbus
Olive Henrietta Scott	Columbus
*Elizabeth Italia Sears	McConnelsville
Benjamin Mark Shain, B.A.	Cleveland
Florence Madeline Sherman	West Mansfield
Carolyn Rhoda Siferd	Wapakoneta
Donna Therese Simmons	Bryan
Helen Isabelle Simpson	Scio
Dorothy Sloan	Ironton
Dorothy Verna Smith	Madison
Edna Colette Smith	Canton
Geneva Anne Smith	Sabina
Miriam Solomon	Birmingham, Ala.
Lillian Sara Steane	Vermilion
William Lewis Steinhauer	Columbus
Caroline Wertz Stellhorn	Wooster

\* Two degrees.



Irvin Jack Stillman	Cleveland
Ruth Elizabeth Storck	Columbus
Alma Kathryn Storey	Gahanna
Robert Henry Studebaker	Tippecanoe City
Sylvie Lily Tanzman	Cleveland
Janice Eleanor Teal	Charleston, W. Va.
Gladys Lucille Teeters	Columbus
Donald Burnell Tennant	Galion
Lucy Olive Thomas	Cleveland
Ruth Irene Thomas	Lilly Chapel
Mary Elizabeth Thompson	Lore City
Donald Rothrock Torbert	Malta
*Robert Carl Treue	Dayton
Mary Lillian Tucker	Lucas
Margaret Katherine Turner	Marion
Virginia Vail	Columbus
Edgar Elmer Vance, B.Sc. in Bus. Adm.	Alliance
Joseph Paul Vance	Gary, Ind.
Martha Emma Van Valkenburgh	Zanesville
Jane Elizabeth Vogel	Columbus
Margaret Jeanne Voros	Cleveland
Bergetta Elizabeth Wagner	Cincinnati
Mary Catherine Waldren	Ray
Faith Evangeline Walker	Gasport, N. Y.
Betty Claire Waltz	Massillon
*Maxine Elizabeth Warner	Lodi
Marian Louise Washburn	Morral
Virginia Elizabeth Watson	Cameron, W. Va.
Lelia Routzohn Weider	Dayton
Florence Bernice Werder	Bryan
Marjorie Louise West	Columbus
Faye Imogene White	Grove City
Thelma Anne Whiteley	Springfield
Samuel Sullivan Whitt	Columbus
Paul Arthur Williams	Columbus
Sarah Margaret Williams	Columbus
Dorothy Mercedes Wilson	Columbus
Emily Fleming Wilson, B.A.	Columbus
Jessie Helen Wilson, B.A.	Dayton
Dorothy Carrie Winemiller	Columbus
Harry Joseph Wiskofske	Massillon
Rosemary Gertrude Yager	Chillicothe
Charles Oliver Youmans	Pataskala
Earl Raymond Youngs	Columbus
Emil Zabel	Cleveland
Katharine Wilma Zaugg	Canton
Paul Snyder Zwayer	Hilliards

(Two hundred and sixty-one candidates)

## BACHELOR OF FINE ARTS

Charlotte Dryden Allen	Dayton
Leroy Stambaugh Augden	Poland
Henry Colburn Babcox	Cleveland
Zenon Leon Baclawski	Cleveland
Ada Elizabeth Bolin	Columbus
James Henry Brooks, Jr.	Newport, R. I.
Charles Howard Cowdrey	Cleveland
Harriet Frances Crebs	Dayton
Margie Dillon	Columbus
Sewall Fisher	Sault Ste. Marie, Mich.
Robert George Hall	Olmsted Falls
John Henry Harig	St. Bernard

\* Two degrees.

Guy Cloyd Heichel .....	Ashland
James Stanford Kelly .....	Zanesville
Martha Ann King .....	Carey
Ruth Elizabeth Moss, B.A. ....	Columbus
Naomi Neustadt .....	Columbus
Eugene Frank Palermo .....	South Euclid
Eloise Peppard .....	Mansfield
Andrew Pereny .....	Detroit, Mich.
Pessa Minnie Schiff .....	Columbus

(Twenty-one candidates)

## COLLEGE OF ENGINEERING

Dean: EMBURY A. HITCHCOCK  
BACHELOR OF ARCHITECTURE

Timothy Gilbert Armstrong .....	Columbus
Earl Freman Cleland .....	Magnolia
Dane Forrest Justice .....	Columbus
Arthur Carl Rathke .....	Sandusky
James Allan Reed .....	Dayton
Richard Scott Smith .....	East Chicago, Ind.
Stephen Ackland Stepanian .....	Columbus
Wilbur William Wurst .....	Ottoville

(Eight candidates)

## BACHELOR OF ARCHITECTURAL ENGINEERING

C. Edward Born, Jr. ....	Columbus
Robert Willard Hartley .....	Dayton
Arthur Joseph Jay .....	Columbus
Malcolm Brice McMillen .....	Shadyside
Thomas Rowland Mills .....	Nelsonville
James Clinton Settles .....	Newark
Cove William Sullivan .....	Columbus

(Seven candidates)

## BACHELOR OF CERAMIC ENGINEERING

Frederick Otis Barber .....	Paulding
Lewis Carl Farrow .....	Cleveland Heights
Paul Eugene Gerdes .....	Coldwater
Russell Kirk Johnston .....	Westerville
Carl Edward Kaiser .....	Columbus
Earl Frederick Llewellyn .....	Columbus
James Lucien Miller .....	Beaver, Pa.
Joseph William Moss .....	Spencer, Ind.
Burton Everett Peck .....	Uhrichsville
Clyde Roy Siegwald .....	Baltimore
Griffin Edward Terry .....	Columbus
William Franklin Yeagley .....	Ney

(Twelve candidates)

## BACHELOR OF CHEMICAL ENGINEERING

Herbert Leonard Barnebey .....	Columbus
Henry Starr Curtis .....	Marietta
John Samuel Eckert .....	Delta
Robert Earle Elliott .....	Columbus
George Edward Fromm .....	Chillicothe
Donald Harry Gardner .....	Unionville
George Elmer Howard .....	Newark
Theodore Frederic Kuntz .....	Columbus
Louis Erwin Levin, B.S. (The University of Toledo) .....	Toledo



Harry Malcolm Louden .....	Columbus
Kenneth Murray McLellan .....	Columbus
Herbert Earl Miles .....	East Liverpool
Francis Eugene Pickering .....	Dayton
Nathan Curen Price .....	Cleveland
Charles Frederick Sudman .....	St. Marys
George Emet Wiegert .....	Chicago, Ill.

(Sixteen candidates)

## BACHELOR OF CIVIL ENGINEERING

Robert Ernest Blosser .....	Columbus
William Erhard Buerk .....	Dayton
Edward Walters Claar .....	Jackson
Erwin Felix Eckhardt .....	Hamilton
John Herman Hughes .....	Springfield
Lawrence Jaros .....	Chagrin Falls
Stanley Francis Jaros .....	Chagrin Falls
Jake Roy Katz .....	Cleveland
Howard Frederick Kuenning .....	Lima
Robert Logan Larimer .....	Columbus
Norman Rockey Latham .....	Columbus
Richard Spohn Miller .....	Massillon
Sanford Newton Reams .....	DeGraff
Edward Egan Reedy .....	Columbus
Thomas Edwin Ress .....	Massillon
Jack Small .....	Norwood
Paul Edgar Stilwell .....	Martins Ferry
Myron Albert Tuta .....	Youngstown
Victor Allen Williams .....	Lodi

(Nineteen candidates)

## BACHELOR OF ELECTRICAL ENGINEERING

Charles Richard Allison .....	Lima
John Jacob Brunner .....	Columbus
Donald Owen Clark .....	Ray
George William Craiglow .....	Columbus
*Edward Lewis Dryer .....	Columbus
Paul Metzger Fischer .....	Clyde
Herbert Earl Forsha .....	Vermilion
Charles Edward Gagnier .....	Youngstown
Earl Millard Goodsell .....	Garrettsville
Leroy William Hendershott .....	Columbus
Robert Criswell Holcombe .....	Columbus
Hunter Stratton Hopson .....	Columbus
Roger Senseny Hull .....	Dayton
Allan Raymond Keskinen .....	Ashtabula
Gilbert Ranck Kuhner .....	Columbus
John William Layton .....	Osborn
Richard Serrano Marquis .....	Lima
Walter Harmon Mercer, B.I.E. ....	East Liverpool
John Edward Millikan .....	Bellefontaine
Wilbur H. Myers .....	Akron
Arthur Edwin Newlon .....	New Lexington
Lilburn Garland Payne .....	Portsmouth
Glen Robert Ruestig .....	Columbus
Stanley Owen Thomas, A.B. (Miami University) .....	Troy
Cyril Herbert Varnfield .....	Van Wert
Leonard Frank Walker .....	North Olmsted
Raymond Vorce Watkins .....	Columbus
Ellis Clay Wilson .....	Marion
Len William Winkler .....	Sandusky

(Twenty-nine candidates)

\*\* Three degrees.

## THE OHIO STATE UNIVERSITY

## BACHELOR OF ENGINEERING IN MINING

David Herbert Davis .....	Columbus
Kenneth James Kennedy .....	Fairlawn
Samuel Donald Kingery .....	Columbus
Kenneth Lee Wood .....	Columbus

(Four candidates)

## BACHELOR OF ENGINEERING PHYSICS

William Alfred Fowler .....	Lima
Howard Frank Gundlach .....	Cleveland
Leonard Isaac Schiff .....	Columbus

(Three candidates)

## BACHELOR OF INDUSTRIAL ENGINEERING

George William Arnold .....	Buffalo, N. Y.
*Paul Delbert Beals .....	Orrville
Paul Emerson Borchers .....	Vandalia
Merrill Jackson Clymer .....	Columbus
William Maurice Colter .....	Columbus
Wayne Whitney Covey .....	Marietta
**Edward Lewis Dryer .....	Columbus
Perry Daniel Gasnier .....	Leetonia
Corwin Thane Geyer .....	Columbus
Robert James Gibbons .....	Cleveland
James Crawford Hart .....	Cleveland
Ralph Burriss Hayne .....	Rising Sun
Charles Jewett Kurtz, Jr. ....	Columbus
Robert Attorney Larsen .....	Cortland
John Alfred Lauck .....	Elyria
Harold Vernon Mark .....	Grove City
Heber Lewis Newell .....	Hillsboro
Eugene Taylor Norris .....	Columbus
*Paul Rockey Robbins .....	Columbus
Edgar Leroy Routong .....	Xenia
Leroy Harold Rowley .....	Elyria
Henry Arnold Snider .....	Troy
Thomas Harold Stephenson .....	Toledo
Henry Ernest Wolf .....	Valley City

(Twenty-four candidates)

## BACHELOR OF MECHANICAL ENGINEERING

Arthur Earl Alleshouse .....	Baltic
*Paul Delbert Beals .....	Orrville
Edward Russell Billings .....	St. Petersburg, Fla.
Ivan Graeff Brenner .....	Canal Winchester
Frederick Warren Crebs .....	Dayton
William Clipp Day .....	Bellaire
**Edward Lewis Dryer .....	Columbus
Henry Paul Dudzin .....	Lakewood
Philip Allan Fogle .....	Columbus
Felix Giangiacomo .....	St. Clairsville
Robert Malcolm Gilbert .....	Worthington
Charles Hiss .....	Barberton
Morris Warren Jack .....	Pierpont
Dale Kleist .....	Columbus
Verlin Walter Krill .....	Edgerton
Walter Victor Ladvala .....	Painesville
Fred Lepka .....	Cleveland
Raymond Walter Lynn .....	Columbus
George Olan Manifold .....	Caldwell

\* Two degrees.

\*\* Three degrees.



Ernest Molnar .....	Columbus
Edwin Turner Monroe .....	Cameron, W. Va.
Anthony Eugene Mutch .....	Niles
Eugene Blundell Nahuis .....	Lakewood
Richard William Parker .....	Springfield
John Harris Redmond .....	Columbus
James Gordon Rice .....	Monticello, Ind.
*Paul Rocky Robbins .....	Columbus
William Donald Ruhly .....	Wauseon
John Frederick Sandfort .....	Columbus
Theodore Edmund Schroeder .....	Cleveland
Philip Vincent Soreo .....	Niles
Melvin Joseph Stallkamp .....	Delphos
Douglas Shimer Sterner .....	Columbus
Frank Thomas Vorac .....	Cleveland
David Morrow Wilkinson .....	Norwalk
Franklin Irving Witmer .....	Woodville

(Thirty-six candidates)

## BACHELOR OF METALLURGICAL ENGINEERING

Clarence Conrad Hoffman .....	Dayton
David Chester Ladd .....	Hartville
Robert Scott Peoples .....	Columbus
Harold Leo Rekart .....	Ottoville
Lawrence E. Trishman .....	Akron

(Five candidates)

BACHELOR OF SCIENCE  
IN APPLIED OPTICS

Burlin Burdette Brombaugh .....	New Lebanon
Vernon Edward Duerer .....	Houston, Tex.
Donald Tucker Elliott, A.B. (Wittenberg College) .....	Twinsburg
Jerome Hurwitz .....	Brooklyn, N. Y.
Henry Scott Kane, Jr., A.B. (Washington and Jefferson College) .....	Carnegie, Pa.
Samuel Bert Levinstein .....	Columbus
William Hubert Limes .....	Washington C. H.
Joseph Sheldon Nupuf .....	Columbus
Herman Kane Polan, B.A. (West Virginia University) .....	Charleston, W. Va.
Meyer Polan .....	Charleston, W. Va.
Merrill Collier Powell .....	Columbus
Simon Abraham Sculler .....	Columbus
Francis Harris Slutzky, A.B. (Indiana University) .....	Indianapolis, Ind.
Herman Fred Slutzky .....	Indianapolis, Ind.
Jack Waldman .....	Cleveland
Paul Amba Wilkinson .....	Norwalk
Dorothy LaVerne Woods .....	Martins Ferry

(Seventeen candidates)

## COLLEGE OF PHARMACY

Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE  
IN PHARMACY

Lester Cohen .....	Cleveland
Albert Holmes Egbert .....	Portsmouth
George Rudin Fellows .....	Columbus
Arthur M. Friedman .....	Youngstown
Samuel Conkle Hahn .....	Warsaw
Robert Morris Kattmann .....	Reading
Karl Lincoln Kaufman .....	Attica
William Everet McCullough .....	Canton

John Joseph Murphy .....	Columbus
Willson Rowan Osborne .....	Martins Ferry
Benjamin Jacob Pearlstein .....	Cleveland
Edith Katherine Rether .....	Columbus
Geraldine Josephine Robinson .....	Youngstown
Milton Jacque Rose, B.A. ....	Cleveland
Glenn Vernon Sampson .....	Delaware
Herbert Franklin Suver .....	Columbus
Harry Peter Uliney .....	Salem

(Seventeen candidates)

## COLLEGE OF VETERINARY MEDICINE

Dean: OSCAR V. BRUMLEY

## DOCTOR OF VETERINARY MEDICINE

James William Armstrong, B.S. (Rhode Island State College) .....	Providence, R. I.
David Henry Bachtel .....	Massillon
Maurice Frank Belden .....	Amberst
Thomas Alfred Berry .....	Columbus
Melvin James Bramley .....	Cleveland
Bertram Novell Cameron .....	Everett, Mass.
Max Sibley Coates .....	North Lewisburg
J. Laver Davidson .....	Kalamazoo, Mich.
James Bruce Davidson, B.Sc. in Agr. ....	Wooster
Howard James Dixon .....	Hartford, Conn.
Robert Nixon Earhart .....	Columbus
Matthew J. Eggert .....	Newark, N. J.
Frank Joseph Elbersen .....	Anderson, Ind.
Walter Gilmore Galloway, B.S.A. (Purdue University) .....	Covington, Ind.
Charles Albert Goldsmith .....	Chester, N. H.
Gilbert Neal Haigler .....	St. Louis, Mo.
William Richard Henson .....	Elyria
James Scott Landis .....	Winchester, Va.
Arthur Albert Maike .....	Fremont
Forrest McClead .....	Anderson, Ind.
Graydon Smith McKee .....	Beaver, Pa.
Carl Van McKenzie .....	Columbus
*John Leslie McKittrick .....	Columbus
Byron Russell Moore .....	Gaston, Ind.
Rudolph Oscar Omdalen .....	Rice Lake, Wis.
Edwin Robert Pierce .....	Wellington
Harry Ben Roberts, Jr. ....	Columbus
James Ewing Scatterday .....	Worthington
Marion Woolever Scothorn .....	Ashville
Kenneth Frost Smith, B.Sc. in Agr. ....	Hillsboro
Aaron Isaac Stern .....	Hartford, Conn.
Joseph Henry Straker .....	Greenville
Newton Bridgewater Tennille .....	Centralia, Va.
Edwin King Treat .....	Blanford, Mass.
Martin Lyon Tuttle .....	Columbus
Paul T. White .....	Carthage, Ind.

(Thirty-six candidates)

## PROFESSIONAL CERTIFICATES

## COLLEGE OF MEDICINE

Acting Dean: VERNE ADAMS DODD

## CERTIFICATE OF PUBLIC HEALTH NURSING

Flossie Marie Bechdolt, R.N. ....	Harrod
Catherine Alice Tripp, R.N. ....	Toledo

(Two candidates)

\* Two degrees.



## CERTIFICATE OF GRADUATE NURSE

†Emma Mary Alibranda .....	Columbus
Mildred Mary Badertscher .....	Dalton
Etta Jane Basiger .....	Delaware
Marjorie Janis Beckett .....	Ashville
Edna Ruth Blackburn .....	Coal Run
Marjorie Maybelle Davidson .....	New Lexington
Irene May Doak .....	Marietta
Ellen Catherine Everitt .....	Bremen
Amanda Clara Gesell .....	Brookville, Ind.
Mary Catherine Green .....	Columbus
Frances Freeman Hann .....	Columbus
Wilhelmina Maxine Howard .....	Findlay
Ellen Thankful Jenkins .....	Mantua
Dorothy Bertha Leupp .....	Columbus
Harriett Christina McClelland .....	Fredericktown
Genevieve Goodwin Mead .....	Norwalk
Rosalys Case Myers .....	Delaware
Rachel Eliza Pattison .....	Cambridge
†Elizabeth Italia Sears .....	McConnellsville
Marybelle Shoemaker .....	Columbus
Martha Marjorie Thomas .....	Ostrander
Mildred Alta Thompson .....	New Philadelphia
Jeanne Evelyn Tipton .....	Washington C. H.
†Maxine Elizabeth Warner .....	Lodi
Pauline Rebecca Watt .....	Richmond, Ind.
Romayne Louise Webber .....	Oberlin
Frances Esther Zollinger .....	Millersport

(Twenty-seven candidates)

† Degree in Education.





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